

**NAVY TRAINING SYSTEM PLAN**

**FOR THE**

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**N75-NTSP-P-30-0101/A**

**OCTOBER 2001**

## AIRBORNE MINE NEUTRALIZATION SYSTEM

### EXECUTIVE SUMMARY

The Airborne Mine Neutralization System, hereafter referred to as the AMNS, is a Navy Airborne Mine Countermeasures (AMCM) weapon system developed for rapid reconnaissance and assessment of potential Mine Like Object threats; organic detection, avoidance, and force self-protection for Carrier Battle Group and Amphibious Ready Group assets; and the clearance of mine threats, including rapid breakthrough chokepoints. The AMNS is operated by, and deployed from, the MH-53E Sea Dragon Helicopter by Helicopter Mine Countermeasures (HM) Squadrons to hunt, neutralize, and destroy bottom, close-tethered, and in-volume sea mine threats, by using a remote controlled vehicle, identified as a Neutralizer. There are two types of Neutralizers that have been developed. The Expendable Neutralizer is conventional, non-nuclear, live ordnance, which neutralizes or destroys mine threats in place. The Training Neutralizer is practice, inert ordnance, which is reusable for mine hunting training and reconnaissance missions. The AMNS is an Acquisition Category II program currently in Phase II of the Weapon System Acquisition Process, Engineering and Manufacturing Development. The AMNS Initial Operational Capability for the MH-53E Helicopter is classified. Future program plans include employing the AMNS from the MH-60S Multi Mission Helicopter.

The AMNS maintenance concept is based upon the overall objective to ensure components and Support Equipment (SE) are available to fulfill commitments of operational activities and provide the means to restore unserviceable units and SE to serviceable condition with minimal downtime. Maintenance functions, excluding the Training and Expendable Neutralizers, are currently allocated to the Organizational Level (O-Level) and Depot Level (D-Level) of maintenance, as defined in the Naval Aviation Maintenance Program, Office of the Chief of Naval Operations Instruction (OPNAVINST 4790.2H). Aviation Electrician's Mates, Aviation Structural Mechanics, and Avionics Technicians with Navy Enlisted Classification (NEC) code 8391 assigned to the HM Squadrons AMCM Systems Maintenance Department (Work Centers 16A/B) will perform O-Level maintenance. Additionally Maintenance personnel assigned to the Aircraft Maintenance Department (Work Center 230) in various aviation ratings with no specific NEC code including Aviation Ordnancemen will perform aircraft configuration and O-Level maintenance when the system is installed in the aircraft or in their custody. The Original Equipment Manufacturer (OEM) or approved repair facility will perform D-Level maintenance. Maintenance functions for the Training and Expendable Neutralizers are currently allocated to the three levels of maintenance, O-Level, Intermediate Level, and D-Level as defined in the Naval Ordnance Maintenance Management Program (NOMMP), OPNAVINST 8000.16. O-Level maintenance will be performed by those personnel in the departments and work centers identified above. Naval Air Station Weapons Department and shipboard aviation ordnance personnel Aviation Ordnancemen NEC code 6801 will perform I-Level maintenance. The OEM or approved repair facility will perform D-Level maintenance.

The AMNS will require an aircrew manning of seven: AMCM pilot, co-pilot, enlisted aircrew Safety Observer, Console Operator, Port Rampman, Starboard Rampman, and Observer/Grounding Strap Operator. This is standard crew manning for various AMCM missions. Although it is anticipated that the AMNS will require no additional operator,

## **AIRBORNE MINE NEUTRALIZATION SYSTEM**

maintenance, or tactics billets above those identified in current MH-53E HM Squadron Manning Documents, a manpower analysis has been requested and is currently being conducted by Naval Air Systems Command (code 3.4.1) Patuxent River, Maryland. No impact to maintenance training instructor manning is expected due to track length reductions and course revisions identified at the June 2001 Maintenance Training Requirements Review. Operator training instructor manning may be impacted based on AMNS planned operator training course lengths. Commander Naval Air Forces Atlantic Fleet, Force Manpower Management will determine the need for a Manning Review based on the planned course impacts to AWSTS as outlined in this NTSP.

Initial and follow-on training will be provided to AMNS operators, maintenance, and tactics personnel. Government personnel will provide initial training to operator, maintenance, and tactics instructors and the first cadre of operator, maintenance, and tactics Fleet personnel. Follow-on training for operators will be conducted at the AMCM Weapon Systems Training School, Naval Station (NS) Norfolk, Virginia. Follow-on training for HM maintenance personnel will be conducted at Maintenance Training Unit (MTU) 1031, Naval Air Maintenance Training Unit, NS Norfolk, Virginia. Follow-on training for Naval Air Station Weapons Department and shipboard aviation ordnance personnel will be conducted at MTU-4032, NS Norfolk, MTU-4030, NS Mayport, Florida, MTU-4035, NAS Whidbey Island, Washington, and MTU-4033, NAS North Island, California. Training for tactics personnel will be conducted at the Mine Warfare Training Center, NS Ingleside, Texas.

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**TABLE OF CONTENTS**

|  | <b>Page</b> |
|--|-------------|
| Executive Summary .....  | i           |
| List of Acronyms .....   | iv          |
| Preface.....   | viii        |
| <br><b>PART I - TECHNICAL PROGRAM DATA</b>   |             |
| A. Nomenclature-Title-Program .....  | I-1         |
| B. Security Classification .....   | I-1         |
| C. Manpower, Personnel, and Training Principals .....  | I-1         |
| D. System Description.....   | I-2         |
| E. Developmental Test and Operational Test .....   | I-2         |
| F. Aircraft and/or Equipment/System/Subsystem Replaced.....  | I-3         |
| G. Description of New Development.....   | I-3         |
| H. Concepts .....  | I-8         |
| I. Onboard (In-Service) Training .....   | I-23        |
| J. Logistics Support.....  | I-24        |
| K. Schedules.....  | I-25        |
| L. Government-Furnished Equipment and Contractor-Furnished Equipment<br>Training Requirements..... | I-26        |
| M. Related NTSPs and Other Applicable Documents .....  | I-27        |
| <br><b>PART II - BILLET AND PERSONNEL REQUIREMENTS .....</b>                                       | <br>II-1    |
| <br><b>PART III - TRAINING REQUIREMENTS .....</b>  | <br>III-1   |
| <br><b>PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS.....</b>                                  | <br>IV-1    |
| <br><b>PART V - MPT MILESTONES .....</b>   | <br>V-1     |
| <br><b>PART VI - DECISION ITEMS/ACTION REQUIRED.....</b>   | <br>VI-1    |
| <br><b>PART VII - POINTS OF CONTACT .....</b>  | <br>VII-1   |

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**LIST OF ACRONYMS**

|         |  |
|---------|--|
| ACDU    | Active Duty  |
| AE      | Aviation Electrician's Mate                              |
| AIMD    | Aircraft Intermediate Maintenance Department             |
| AM      | Aviation Structural Mechanic                             |
| AMCM    | Airborne Mine Countermeasures                            |
| AME     | Aviation Structural Mechanic, Safety Equipment           |
| AMNS    | Airborne Mine Neutralization System                      |
| AMTCS   | Aviation Maintenance Training Continuum System           |
| AO      | Aviation Ordnanceman                                     |
| AOB     | Average on Board   |
| ASRM    | Airborne Mine Countermeasures Stream and Recovery Module |
| AT      | Avionics Technician                                      |
| ATS     | Acoustic Tracking System                                 |
| AUR     | All Up Round   |
| AWSTS   | AMCM Weapon Systems Training School                      |
|         |  |
| BIT     | Built-In Test  |
| BITE    | Built-In Test Equipment                                  |
|         |  |
| CFY     | Current Fiscal Year                                      |
| CIN     | Course Identification Number                             |
| CM      | Corrective Maintenance                                   |
| CNO     | Chief of Naval Operations                                |
| COTS    | Commercial Off-The-Shelf                                 |
| CSE     | Common Support Equipment                                 |
|         |  |
| D-Level | Depot Level  |
| DA      | Developing Agency  |

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**LIST OF ACRONYMS**

|         |                                   |
|---------|-----------------------------------|
| DSA     | Davit and Sheave Assembly         |
| DT&E    | Developmental Test And Evaluation |
| EOD     | Explosive Ordnance Disposal       |
| ETJ     | Electronic Training Jacket        |
| ETM     | Electronic Technical Manual       |
| FOC     | Fiber Optic Communication         |
| FY      | Fiscal Year                       |
| GFE     | Government Furnished Equipment    |
| GPS     | Global Positioning System         |
| HM      | Helicopter Mine Countermeasures   |
| I-Level | Intermediate Level                |
| IPB     | Illustrated Parts Breakdown       |
| IWA     | In-Water Assembly                 |
| J-Box   | Junction Box                      |
| LBA     | Launch Box Assembly               |
| LRIP    | Low Rate Initial Production       |
| MCM     | Mine Countermeasures              |
| MIR     | Mission Interface Removables      |
| MP      | Maintenance Plan                  |
| MPT     | Manpower, Personnel, and Training |
| MTU     | Maintenance Training Unit         |
| MWTC    | Mine Warfare Training Center      |

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**LIST OF ACRONYMS**

|                             |   |
|-----------------------------|---|
| NAMTRAU                     | Naval Air Maintenance Training Unit                         |
| NAS                         | Naval Air Station   |
| NATEC                       | Naval Air Technical Data and Engineering Service Command    |
| NATOPS                      | Naval Air Training and Operating Procedures Standardization |
| NAVSURFWARCEN<br>COASTSYSTA | Naval Surface Warfare Center, Coastal Systems Station       |
| NDI                         | Non Developmental Item                                      |
| NEC                         | Navy Enlisted Classification                                |
| NE&SS                       | Naval Electronics and Surveillance Systems                  |
| NOMMP                       | Naval Ordnance Maintenance Management Program               |
| NOBC                        | Naval Officer Billet Classification                         |
| NS                          | Naval Station   |
| NTSP                        | Navy Training System Plan                                   |
| O-Level                     | Organizational Level  |
| OCC                         | Operator Control Console                                    |
| OEM                         | Original Equipment Manufacturer                             |
| OPEVAL                      | Operational Evaluation                                      |
| OPO                         | OPNAV Principal Official                                    |
| OPNAVINST                   | Office of the Chief of Naval Operations Instruction         |
| PEO (MUW)                   | Program Executive Officer, Mine and Undersea Warfare        |
| PM                          | Preventive Maintenance                                      |
| PMS                         | Program Manager, Surface                                    |
| PNEC                        | Primary Navy Enlisted Classification                        |
| PSE                         | Peculiar Support Equipment                                  |
| QUAL/CERT                   | Qualification and Certification                             |

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**LIST OF ACRONYMS**

|          |  |
|----------|--|
| RFOU     | Ready For Operational Use              |
| RFT      | Ready For Training                     |
| SAU      | Safe and Arming Unit                   |
| SE       | Support Equipment                      |
| SELRES   | Selected Reserve                       |
| SNEC     | Secondary Navy Enlisted Classification |
| TA       | Training Agency                        |
| TAR      | Training and Administration of Reserve |
| TD       | Training Device                        |
| TECHEVAL | Technical Evaluation                   |
| TFMMS    | Total Force Manpower Management System |
| TM       | Technical Manual                       |
| TP II+   | Track Point II Plus                    |
| TSA      | Training Support Activity              |
| TTE      | Technical Training Equipment           |
| UIC      | Unit Identification Code               |
| WMK      | Winch Modification Kit                 |
| WRA      | Weapons Replaceable Assembly           |

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**PREFACE**

This Approved Navy Training System Plan (NTSP) for the Airborne Mine Neutralization System (AMNS) is an update to the Draft NTSP, N75-NTSP-P-30-0101/D January 2001. It identifies training and support for the system that will be deployed and operated from the MH-53E by the Helicopter Mine Countermeasures (HM) Squadrons in support of Airborne Mine Countermeasures (AMCM). Future development of the AMNS will see the system deployed from the MH-60S helicopter in support of Organic AMCM. AMNS training and support data pertaining to the MH-60S will be addressed in a separate NTSP. This NTSP complies with the Office of the Chief of Naval Operations Instruction (OPNAVINST) 1500.76 and the guidelines set forth in the Navy Training Requirements Documentation Manual, OPNAV Publication P-751-1-9-97. Changes from the Draft NTSP primarily include updated program information, points of contact, and the incorporation of comments received from the Draft review.

**PART I - TECHNICAL PROGRAM DATA**

**A. NOMENCLATURE-TITLE- PROGRAM.**

- 1. Nomenclature-Title-Acronym.** Airborne Mine Neutralization System, (AMNS).
- 2. Program Element.** Hardware, Training Budget Activity 3, P-1, AMCM Navy Resource Model 33248 - Spares, repair parts, BA-8, 43S0.

**B. SECURITY CLASSIFICATION.**

- 1. System Characteristics.....** Unclassified
- 2. Capabilities .....** Unclassified
- 3. Functions .....** Unclassified

**C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS.**

OPNAV Principal Official (OPO) Program Sponsor: .....CNO (N752)

OPO Resource Sponsor:.....CNO (N759)

Development Agency:..... PEO (MUW)  
(PMS210)

Development Support Activity.....NAVSURFWARCEN COASTSYSTA (Code A21)

Training Agency ..... CINCLANTFLT  
CINCPACFLT  
CNET  
COMNAVRESFOR

Training Support Agency .....NAVAIRSYSCOM (PMA205)

Manpower and Personnel Mission Sponsor ..... CNO (N12)  
NAVPERSCOM (PERS-4, PERS-404)

Director of Naval Training:..... CNO (N7)

## **D. SYSTEM DESCRIPTION**

**1. Operational Uses.** The AMNS is a Navy AMCM remote controlled mine neutralization system. The system is being developed for the purpose of neutralizing bottom, close-tethered, and in-volume sea mine threats by using remote controlled expendable vehicles identified as Neutralizers, launched from a MH-53E AMCM Helicopter. The destruction of mines is achieved by a shaped charge, which is integrated into the Neutralizer. Mission data from previous AMCM missions is used to determine approximate target position and helicopter-to-target safe standoff distance. The Neutralizers on-board camera provides target identification. The system is intended for use in support of amphibious operations and clearance of port approaches.

**2. Foreign Military Sales.** Currently there are no plans for Foreign Military Sales or any other sources under the AMNS program.

**E. DEVELOPMENTAL TEST AND OPERATIONAL TEST.** The Draft Test and Evaluation Master Plan, Number 1598, for the MH-53E AMNS, dated August 2000, documents the overall structure and objectives of the AMNS Developmental Test and Evaluation (DT&E) program.

DT-IIA (MH-53E Integration Test) verified AMNS interface and operational supportability aboard the MH-53E helicopter and demonstrated AMNS readiness for Technical Evaluation (TECHEVAL). DT-IIA was completed 28 March 2001.

DT-IIB demonstrates AMNS readiness for Operational Evaluation (OPEVAL). DT-IIB commenced May 2001 at the Naval Surface Warfare Center, Coastal Systems Station (NAVSURFWARCEN COASTSYSTA) in Panama City, Florida. DT-IIB will be conducted in three segments:

Shipboard Testing (Inert). Commenced May 2001.

MH-53E Testing (Inert). Scheduled to commence July 2001.

MH-53E Testing (Explosive). Scheduled to commence August 2001.

Lockheed Martin Naval Electronics and Surveillance Systems (NE&SS) provided TECHEVAL training for Navy DT&E personnel in May 2000. NAVSURFWARCEN COASTSYSTA civilian technicians conducted refresher training for pilots, aircrewmen, ordnance handlers, and maintenance personnel supporting TECHEVAL in January 2001.

OT-II (OPEVAL) will be conducted to determine the operational effectiveness and operational suitability of the AMNS, as integrated in the MH-53E Helicopter, and provide a recommendation regarding Fleet introduction. OT II is planned to commence October 2001 at the NAVSURFWARCEN COASTSYSTA.

OPEVAL Training will be conducted in October 2001 for the Operational Test and Evaluation Force, VX-1, and Fleet pilots, aircrewmen, and maintenance personnel supporting

OPEVAL. For OPEVAL, NAVSURFWARCEN COASTSYSTA pilots and aircrewmembers will conduct training for Fleet pilots and aircrewmembers. NAVSURFWARCEN COASTSYSTA civilian technicians will train Fleet maintenance personnel. NAVSURFWARCEN COASTSYSTA tactics personnel will provide training for Fleet tactics personnel.

**F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED.** The AMNS will not replace or augment any other system in the Mine Countermeasures (MCM) inventory.

## **G. DESCRIPTION OF NEW DEVELOPMENT.**

**1. Functional Description.** The AMNS system is divided into three major tactical subsystems, and non-aircraft support equipment: The Operator Control Subsystem, Launch and Handling Subsystem, and the Neutralizer Subsystem. The three subsystems include an equipment configuration based on modified Non Developmental Item (NDI), Government Furnished Equipment (GFE), and newly designed components. All the AMNS equipment has the versatility for “roll-on/roll-off” use on the MH-53E helicopter. The following paragraphs describe each of the AMNS subsystems and ancillary components.

**a. Operator Control Console.** The Operator Control Console (OCC) is a modified NDI console and is a part of the Console Assembly, which is pallet-mounted and consists of two operator seats and the OCC. The OCC receives processes, records, and displays data from and issues control commands to the Neutralizer. The OCC is used for directing both the Expendable and Training Neutralizer types to the mine target using an Acoustic Tracking System (ATS) and Neutralizer tracking data. Both Neutralizer types can be controlled from the OCC using different assigned data sets and different branch paths in the same control software. Additional functions include the pre-launch testing of the OCC including Track Point II Plus (TP II+) and Global Positioning System (GPS) interfaces. The OCC can also be used for training and mission replay. The following modifications were made to the console to support the AMNS Program:

(1) The Power Supply Unit was changed from 115V / 60 Hz to 115V / 400 Hz in order to fulfill MH-53E helicopter requirements.

(2) The console internal wiring was modified to meet the TP II+ interface and the helicopter GPS interface adaptations.

(3) Mounting holes were added to attach the CUT / RELEASE switch panel.

(4) Software was modified to:

- Provide English text and existing U.S. Navy ASCII symbology.
- Provide different operations for Built-In Test (BIT), launching and guidance.

- Coordinate transformations from absolute to relative to the In-Water Assembly (IWA) for target and Neutralizer positions.

**b. Launch and Handling.** The Launch and Handling Subsystem consists of a Winch Modification Kit (WMK), IWA, Davit/Sheave Assembly (DSA), Launch Box Assembly (LBA) and IWA Cradle.

The WMK consists of an umbilical cable designed specifically for the AMNS, a slip ring assembly and a stationary Junction Box (J-Box) mounted to the AMCM Single Winch II, which is used to provide communication between the OCC, IWA, and the Neutralizers. A rotating connection is mounted inside of the winch drum in order to connect the umbilical cable to the slip ring assembly. The umbilical cable is color coded in order to provide visual cues for the port or starboard rampman to aid in determining that the Neutralizer is approximately two meters above the water just prior to release, and again when submerging the IWA to the desired depth as operations are about to commence. The stationary J-Box provides power from the helicopter platform to the cut and release mechanism located in the IWA. This J-Box mounts to the winch assembly structure and allows the slip ring to terminate to it. The Cut and Release Switch Panel is part of the WMK, but is physically mounted on the OCC. The release switch requires two conscious operator actions to cut the fiber-optic cable to the Neutralizer prior to retrieving the IWA back into the helicopter.

The IWA consolidates elements of a NDI TP II+ ATS in a single cylindrical tube housing to facilitate Neutralizer launch and tracking operations from a helicopter. The IWA also contains a fiber-optic cable cutter and Neutralizer release mechanism, which are remotely activated by the OCC operator from within the helicopter.

When the Neutralizer is approximately two meters above the surface of the water, the operator commands the release mechanism to drop the Neutralizer from its position below the IWA. When the Neutralizer has transited to a safe distance, the IWA is lowered to a depth of approximately two meters below the surface of the water. After the Neutralizer has performed its mission, the cable cutter is actuated by the operator, cutting the fiber-optic cable to the B-spool and allowing the IWA to be hoisted back into the helicopter without danger of the fiber-optic cable fouling the helicopters rotors. The IWA processing section contains the TP II+ hardware and power supply, as well as the Neutralizer release mechanisms and fiber-optic cable cutter. The in-water umbilical connection is made at the IWA processing section end cap. Once inside, the umbilical cable elements are broken out into three distinct functions: Neutralizer Fiber Optic data link, TP II+ data link, and power for cut and release.

The DSA is used for streaming of the IWA and Neutralizer and recovery of the IWA after target neutralization. The DSA interfaces with the MH-53E Helicopter structure by securing it to the litter clips provided inside the helicopter. The DSA is supported on both sides of the helicopter. The davit structure is used to mount the sheave assembly that is used to lower the IWA and Neutralizer combination into the water.

The LBA consists of a multi-function launcher system configured to allow four Neutralizers to be deployed from the MH-53E Helicopter. The LBA provides secure housing for the Neutralizers throughout the time the Neutralizers are onboard the helicopter. The LBA is

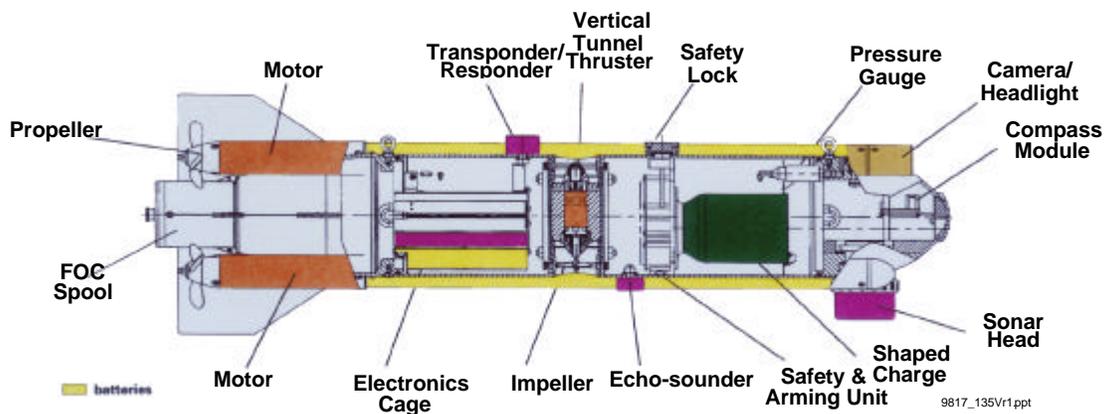
located on the airframe centerline, just forward of the stub ramp. The LBA is secured to the flight deck and has vibration-isolating mounts on the bottom side to provide vibration energy absorption.

The IWA Cradle is used to hold and support the IWA during transit to the target destination. The IWA Cradle is secured to the ramp deck, using non-adjustable and adjustable tie downs.

**c. Neutralizer.** The Neutralizer is housed in a self-propelled, remotely controlled vehicle that incorporates sensors needed to relocate and identify a mine target. There are two types of Neutralizers, the Expendable Neutralizer (C-version), and Training Neutralizer (I-version). They are described below:

(1) The Expendable Neutralizer, shown in Figure I-1, is a fiber-optic, cable-guided, self-propelled, mine neutralizer used to destroy bottom, close-tethered, and in-volume sea mine threats. The Expendable Neutralizer incorporates sensors for mine relocation and identification, propulsion and control subsystems, plus a shaped charge warhead for mine target neutralization. Mine targets are neutralized by the use of a shaped charge either by sympathetic detonation or by damaging the mine casing rendering the mine inoperative. Expendable Neutralizers are negatively buoyant and used for only one mission. Once the Expendable Neutralizer is released from the IWA, recovery of the Expendable Neutralizer is not possible due to safety reasons. The warhead arming process is irreversible. In the case of a mission where the target is not acquired or the mission is aborted, either warhead sterilization or warhead self-destruction is performed. This is dependent on which stage of the arming sequence the neutralizer is in at the time.

**Figure I-1. EXPENDABLE NEUTRALIZER**



Expendable Neutralizer consists of the following:

- Four propulsion motor/propeller units with their own drive electronics
- One vertical thruster

- Sensors including magnetic compass, inclinometer, roll and pitch, echo sounder, and pressure gauge
- Electronics Cage
- Homing Sonar
- Power supply system consisting of a electronics box battery and four propulsion lithium battery packs
- Warhead and Safe and Arming Unit (SAU)
- Camera and Spotlight
- Transponder/Responder

(2) The Training Neutralizer is used to train the operators how to detect and neutralize bottom, close-tethered, and in-volume sea mine threats. The Training Neutralizer can also be used to inspect and identify potential mine targets. Additionally the Training Neutralizer will be utilized to support maintenance and operator training. The Training Neutralizer does not contain a warhead, is positively buoyant and recoverable. It has been designed to be reusable and to support multiple training missions. The Training Neutralizer incorporates all of the operational features of the Expendable Neutralizer except the following:

- Training Neutralizer uses lead weights in place of the Warhead and SAU.
- The Power supply system consists of four battery packs, each pack having six rechargeable Nickel Cadmium cell batteries wired in series.
- Transponder - A flash beacon is attached to the top of the responder to aid in recovery of the Training Neutralizer.
- Communication between the OCC and Neutralizers is achieved through the Fiber-Optic Communication (FOC) spools. The Expendable Neutralizers utilize only the Expendable A/B FOC spools. Training Neutralizers may utilize either the Expendable A/B FOC spools for aircraft operations or for shipboard use, the reusable ruggedized FOC spools.
- The Expendable and Training Neutralizers utilize the same software that is resident in the OCC. The firmware in the Expendable and Training Neutralizers are the same. The type of Neutralizer is selectable from the OCC. Part of the BIT test is to verify the Neutralizer version connected to the OCC.

**2. Physical Description.** Table I-1 provides the approximate physical characteristics and locations of the AMNS on the MH-53E Helicopter. Weight data provided was taken from the Draft AMNS Systems Specification and are estimated values. Data will be updated to reflect actual values as they are provided.

| TABLE I-1. PHYSICAL DESCRIPTION OF THE AMNS |          |          |          |   |                                    |
|---|----------|----------|----------|---|------------------------------------|
| COMPONENTS                                  | DEPTH    | WIDTH    | HEIGHT   | WEIGHT                                  | LOCATION                           |
| Operator Control Console (OCC)              | 47 in    | 25 in    | 58 in    | 654 lbs w/o pallet<br>720 lbs w/ pallet | Forward Cabin                      |
| Single Winch w/Modification Kit (WMK)       | NA       | *        | NA       | 2000 lbs                                | Middle Cabin                       |
| Davit/Sheave Assembly (DSA)                 | NA       | 84 in    | 22 in    | 150 lbs                                 | Aft Cabin<br>Station 522           |
| Launch Box Assembly (LBA)                   | 72.5 in  | 56 in    | 29 in    | 687 lbs w/ four neutralizers            | Aft Cabin Stations<br>442-522      |
| In-Water Assembly (IWA)                     | 60 in    | 21 in    | 27 in    | 180 lbs                                 | Installed in IWA<br>Cradle on ramp |
| Neutralizer                                 | 51.57 in | 15.35 in | 15.35 in | 124 lbs                                 | Installed in LBA                   |

\* Extension/protrusion from the existing winch envelope will not exceed seven inches.

**3. New Development Introduction.** The AMNS will be introduced as new production.

**4. Significant Interfaces.** The AMNS and its computer resources interface electrically and are compatible with the following:

- a. MH-53E Helicopter
- b. The aircraft's GPS

Lockheed Martin will ensure the interoperability of the AMNS with these systems. Testing during all phases of deployment and production will verify this interoperability.

Note: The MH-53E must be configured with certain Mission Interface Removables (MIR) in order to carry out an AMNS mission. MIR major assemblies include the Console Assembly, Single Winch II Pallet Assembly with the WMK, LBA, cables IWA, and DSA.

**5. New Features, Configurations, or Material.** The AMNS is the first remotely controlled vehicle designed to neutralize mine threats from a Navy helicopter in support of AMCM.

## H. CONCEPTS.

**1. Operational Concept.** The AMNS concept of operation is to neutralize bottom, close-tethered, and in-volume sea mine threats by using remote controlled expendable vehicles launched from a MH-53E Helicopter, operating from various surface ships (CV, LHA, LPD, and MCS) and shore-based sites. As with all other AMCM systems, the AMNS will be modular, so it can be readily installed in, and removed from, the MH-53E helicopter. The system represents a capability that does not exist in the current MCM inventory.

**2. Maintenance Concept.** The AMNS maintenance concept is based upon the overall objective to ensure components and Support Equipment (SE) are available to fulfill commitments of operational activities and provide the means to restore unserviceable units and SE to serviceable condition with minimal downtime. Maintenance functions, excluding the Training and Expendable Neutralizers, are currently allocated to the Organizational Level (O-Level) and Depot Level (D-Level) of maintenance, as defined in the Naval Aviation Maintenance Program, OPNAVINST 4790.2H. Aviation Electrician's Mates (AE), Aviation Structural Mechanics (AM), and Avionics Technicians (AT) with Navy Enlisted Classification (NEC) code 8391 assigned to the HM Squadrons AMCM Systems Maintenance Department (Work Centers 16A/B) will perform O-Level maintenance. Additionally Maintenance personnel assigned to the Aircraft Maintenance Department (Work Center 230) in various aviation ratings including Aviation Ordnancemen (AO) with no specific NEC code will perform aircraft configuration and O-Level maintenance when the system is installed in the aircraft or in their custody. The Original Equipment Manufacturer (OEM) or approved repair facility will perform D-Level maintenance.

Maintenance functions for the Training and Expendable Neutralizers are currently allocated to the three levels of maintenance, O-Level, Intermediate Level (I-Level), and D-Level as defined in the Naval Ordnance Maintenance Management Program (NOMMP), OPNAVINST 8000.16. Those squadron personnel in the departments and work centers identified above will provide O-Level and some I-Level maintenance. Naval Air Station (NAS) Weapons Department and shipboard aviation ordnance personnel AOs NEC code 6801 will provide the majority of I-Level maintenance support. The OEM or approved repair facility will accomplish D-Level maintenance. Description for each level of maintenance is as follows:

Note: Work Center 230 personnel will perform uploading and downloading of the Expendable Neutralizer. Work Center 16A/B personnel will not handle the Expendable Neutralizer.

### a. Organizational.

**(1) AMNS (excluding Training and Expendable Neutralizers).** O-Level maintenance will be limited to pre-flight preparation; post-flight downloading; performing inspections; system corrosion control (includes cleaning and wash down of all components subjected to saltwater contact); pre- and post-flight self-tests; and removal and replacement of faulty Weapons Replaceable Assemblies (WRA). It is anticipated that AEs, AMs, and ATs with NEC code 8391, assigned to the squadron's AMCM Systems Maintenance Department (Work Centers 16A/B) will perform O-Level maintenance. Additionally, personnel in various aviation

ratings with no specific NEC code including AOs assigned to the squadron's Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) are responsible for configuring (rigging/de-rigging) the aircraft for the assigned AMCM missions. These personnel will conduct pre- and post-flight self-tests and perform scheduled and unscheduled maintenance on installed equipment and equipment in their custody.

**(a) Preventive Maintenance.** Preventive Maintenance (PM) at the O-Level shall occur between missions and include limited scheduled maintenance consisting of pre- and post-flight inspections and corrosion control.

**(b) Corrective Maintenance.** Corrective Maintenance (CM) will be limited to replacing faulty WRAs identified by system self-tests or visual inspection. When failure is indicated, WRAs will be returned to the OEM or designated depot maintenance activity for repair.

**(2) Training Neutralizer.** It is anticipated that ATs and AEs with NEC code 8391 assigned to the squadron's AMCM Systems Maintenance Department (Work Center 16B) will perform O-Level maintenance. Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) personnel in various aviation ratings including AOs with no specific NEC code will perform O-Level maintenance on the Training Neutralizer when in their custody. O-Level maintenance includes the following:

- Remove and install protective devices
- Visual inspection for damage and corrosion
- Uploading and downloading on aircraft, (W/C 230)
- Neutralizer BIT
- Remove and replace camera, spotlight, propulsion propellers, and vertical thruster
- Battery removal and replacement (Training Neutralizer only)

**(3) Expendable Neutralizer.** Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) personnel in various aviation ratings with no specific NEC code including AOs will perform O-Level maintenance on the Expendable Neutralizer when in their custody. O-Level maintenance includes the following:

- Remove and install protective devices
- Visual inspection for damage and corrosion
- Uploading and downloading on aircraft
- Neutralizer BIT

**b. Intermediate.** I-Level maintenance for the AMNS will only be performed on the Training and Expendable Neutralizer. I-Level maintenance for the Training and Expendable Neutralizer as identified in the NOMMP includes requisition, receipt, storage, assembly, delivery, and issuance of ordnance to using units; breakout, strikeup, and strikedown from and to magazines; visual inspection of ordnance and containers (special, conditional, and breakout); corrosion control treatment and repainting, and compliance with Notices of Ammunition Reclassifications (NAR), and Technical Directives. The Expendable Neutralizer is considered an All Up Round (AUR). NAS Weapons Department and shipboard AOs NEC code 6801 will provide I-Level maintenance support. Those squadron maintenance personnel identified in Element H. 2 will conduct I-Level corrosion control treatment and repainting for the Training Neutralizer. I-Level maintenance will be required for the Training Neutralizer Nickel Cadmium batteries. I-Level (Battery Locker) personnel from the supporting Aircraft Intermediate Maintenance Departments (AIMD) will be responsible for servicing (i.e. charging) these batteries, O-Level personnel will install and test them. The primary AIMD and Weapons Department shore facilities supporting I-Level maintenance are AIMD NAS Oceana Air Detachment, Naval Station (NS) Norfolk, Virginia, Weapons Department, NS Norfolk, Virginia, AIMD Truax Field, NAS, Corpus Christi, Texas, and the Weapons Department, NAS Corpus Christi, Texas. The primary AIMD and Weapons Department afloat facilities for I-Level maintenance are AIMD and Weapons Department, MCS 12, USS INCHON.

Note: When operating in the field without support from an AIMD appropriately trained squadron AEs and ATs NEC 8391 will conduct battery charging for the Training Neutralizer. Currently HM-14 Detachment One Bahrain AMCM systems I-Level maintenance requirements are supported by HM-14's I-Level technicians assigned to the detachment. It is anticipated the detachment I-Level personnel will also accomplish I-Level support for the Training Neutralizer batteries. Weapons Department, Bahrain will support I-Level requirements for the Expendable Neutralizer if required.

**(1) Training Neutralizer.** NAS Weapons Department and shipboard AOs NEC code 6801, AEs and ATs NEC 8391, and AIMD Battery Locker personnel will provide I-Level maintenance support. I-Level maintenance includes the following:

- Visual inspection (special, conditional, and breakout)
- Battery Servicing, Nickel Cadmium (AIMD or AE/AT 8391)
- Breakout, strikeup, and strikedown from and to magazines
- Post Mission corrosion control treatment and repainting (AE/AT 8391)
- Visual inspection of containers and cradles
- Compliance with NARs
- Compliance with Technical Directives

**(2) Expendable Neutralizer.** NAS and shipboard Weapons Department AOs NEC code 6801 will provide I-Level maintenance support. I-Level maintenance includes the following:

- Visual inspection (special, conditional, and breakout)
- Breakout, strikeup, and strikedown from and to magazines
- Corrosion control treatment and repainting
- Visual inspection of containers and cradles
- Compliance with NARs
- Compliance with Technical Directives

**c. Depot.** The OEM or an approved D-Level repair facility will perform D-Level maintenance on the AMNS console and non-expendable subsystems. Subsystems and assemblies are returned to the D-Level for repairs in accordance with the AMNS Maintenance Plan (MP).

**d. Interim Maintenance.** Contractor Engineering and Technical Services with Lockheed Martin NE&SS will be employed during the interim support phase for system repairs.

**e. Life-Cycle Maintenance Plan.** Life Cycle Maintenance Plan data will be developed as testing and evaluation of the initial systems is conducted and additional systems and support data are developed. This information will be added to future updates of this NTSP.

**3. Manning Concept.** Due to manpower requirement similarities, manning factors identified in the AN/AQS-14A NTSP, N75-NTSP-P-30-9903/A, April 2001 and current NEC code 8391 and 8226 HM squadron manning requirements were used as data points to determine preliminary manpower requirements for the AMNS. It is expected that operator, maintenance, and tactics tasks will be within the capabilities of the Navy's existing enlisted rating and officer Navy Officer Billet Classification structures. Although it is anticipated that introduction of the AMNS will require no additional operator or maintenance billets, a manpower analysis has been requested and is being conducted by the Naval Air Systems Command (code 3.4.1) Patuxent River, Maryland. No impact to maintenance training instructor manning is expected due to track length reductions and course revisions identified at the June 2001 Maintenance Training Requirements Review. Operator training instructor manning may be impacted based on AMNS planned operator training course lengths. Commander Naval Air Forces Atlantic Fleet, Force Manpower Management will determine the need for a Manning Review based on the planned course impacts to AWSTS as outlined in this NTSP. Refer to Part II of this NTSP for current activity manpower information.

**4. Training Concept.** The AMNS training program will consist of initial TECHEVAL, OPEVAL, instructor, Fleet cadre training, and follow-on training for operator, maintenance, and tactics personnel. Additionally, stand-alone individual functional skill "Class F" training will be developed for the Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) personnel to include Built-In Test Equipment (BITE) operation, O-Level PM, CM,

aircraft configuration, and explosive ordnance safety training specific to the Neutralizer. This training will be added to the stand-alone course C-647-9456, MH-53E AMCM Organizational Maintenance. AMNS initial and follow-on training for Explosive Ordnance Disposal (EOD) personnel is currently not required.

Note: Maintenance Training Unit (MTU) 1031 currently does not have a MH-53E configurations trainer to support the configurations course. Squadrons requesting the stand alone configurations course will be required to support the training with an aircraft and complete AMNS including the Training Neutralizer and required SE until a trainer is available.

Note: Navy and civilian personnel handling Expendable and Training Neutralizers will require qualification; meeting such requirements as testing, formal classes, licenses, documented On-the-Job Training and task proficiency, and physical examination; and certification by assigned command or organization unit under local Explosives Handling Personnel Qualification and Certification (QUAL/CERT) Program, as outlined in OPNAVINST 8020.14. The command or organization QUAL/CERT board recommends approval based on the individual's training record, an examination of individual's technical knowledge, and observation of satisfactorily demonstrated skills. QUAL/CERT Program Records are maintained locally.

Note: Based on the design approach selected, EOD field recovery, render safe, and disposal procedures will be reviewed, approved, and distributed in the form of EOD Bulletins by the Naval EOD Technology Division, Indian Head, Maryland.

Note: Select squadron AMCM systems maintenance personnel AEs and ATs NEC 8391, will be required to attend the Aircraft Nickel-Cadmium Battery Maintenance and Repair Course, C-600-3177 to receive the training necessary to support Training Neutralizer battery servicing requirements while the squadron is deployed in field conditions away from supporting AIMDs.

**a. Initial Training.** The contractor developed and conducted operator and maintenance training for Navy DT&E personnel in support of TECHEVAL. This training was completed in May 2000. Civilian technicians from the AMCM Systems Division A20, NAVSURFWARCEN COASTSYSTA, conducted TECHEVAL refresher Aircrew Training. This training was completed in January 2001. Civilian technicians from the AMCM Systems Division, Code A20 NAVSURFWARCEN COASTSYSTA, will conduct OPEVAL maintenance training. Navy pilots and aircrew from the Air Operations Department, NAVSURFWARCEN COASTSYSTA, will conduct OPEVAL operator training. Tactics training will be provided by NAVSURFWARCEN COASTSYSTA Tactics Department. OPEVAL operator, maintenance, and tactics training are currently scheduled for October 2001. OPEVAL operator and maintenance training will be conducted at NAVSURFWARCEN COASTSYSTA. NAVSURFWARCEN COASTSYSTA civilian technicians, Navy pilots, aircrewmen, and tactics specialists will conduct initial training with curriculum and supporting materials procured by the Training Support Agent for the Naval Air Maintenance Training Units (NAMTRAU), Airborne Mine Countermeasures Weapon Systems Training School (AWSTS), and Mine Warfare Training Center (MWTC) instructors, and an initial cadre of Fleet personnel prior to Initial Operational Capability.

**(1) TECHEVAL and OPEVAL.**

**Title..... AMNS Pre-TECHEVAL and OPEVAL Training Courses**

Description..... Provides familiarization training to selected personnel to sufficiently prepare for and support TECHEVAL and OPEVAL. This will include controls and indications, aircraft rigging/de-rigging, certification procedures, aircrew launch and recovery procedures, console operating procedures, ordnance safety, and system tactics.

Location..... NAVSURFWARCEN COASTSYSTA Panama City

Length..... TECHEVAL: 19 Days  
TECHEVAL Refresher: 10 Days  
OPEVAL: 19 Days

RFT date..... TECHEVAL: May 00 (Complete)  
TECHEVAL Refresher: March 01 (Complete)  
OPEVAL: October 01

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisite..... Selected Government technicians and Navy personnel in support of TECHEVAL and OPEVAL

**(2) Operator.** Instructors and initial cadre Fleet personnel.

**Title..... Airborne Mine Neutralization System Operation and Tactics Initial Training (Pilot)**

Description..... Provides instructors and an initial cadre of Fleet pilots the basic skills, tactics and techniques necessary to employ the AMNS. Ordnance familiarization training as it relates to the Neutralizer.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 5 Days

RFT date..... April 03, HM-14  
May 03, HM-15

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisite..... Pilot qualified in the MH-53E Helicopter

**Title..... Airborne Mine Neutralization System Operator Initial Training**

Description..... Provides instructors and an initial cadre of Fleet aircrewmen the basic skills necessary to stream, operate, and recover the AMNS. Ordnance training as it relates to handling of the Neutralizer.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 10 Days

RFT date..... April 03, HM-14  
May 03, HM-15

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisites..... Aircrewmen qualified in the MH-53E Helicopter, NEC 8226

**(3) Tactics.** Tactics personnel.

**Title..... Airborne Mine Neutralization System Mission Tactics Initial Training**

Description..... Provides instructors and an initial cadre of Fleet tactics personnel the training necessary to properly plan mission requirements and conduct Post Mission Analysis for the AMNS.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas  
MWTC NAS Corpus Christi, Texas

Length..... 2 Days

RFT date..... April 03, HM-14  
May 03, HM-15  
May 03, MWTC

TTE/TD..... TBD

Prerequisites..... Tactics personnel

(4) **Maintenance.** Instructors and initial cadre Fleet personnel.

**Title..... Airborne Mine Neutralization System Organizational Level Maintenance Initial Training**

Description..... Provides instructors, AIMD (batteries), and an initial cadre of Fleet (W/C 16B) personnel with the skills, knowledge, and techniques required to perform Organizational level maintenance and test procedures on electronic/electrical components of the AMNS and Training Neutralizer including Nickel Cadmium Battery charging.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 5 Days

RFT date..... April 03, HM-14  
May 03, HM-15

TTE/TD..... AMNS, Training Neutralizer, Battery Charger

Prerequisites..... AE, AT 8391

**Title..... Airborne Mine Neutralization System Organizational Level Maintenance Initial Training (Mechanical)**

Description..... Provides instructors and an initial cadre of Fleet (W/C 16A) personnel with the skills, knowledge, and techniques required to perform Organizational level maintenance on Mission Interface Removables (Mechanical) for the AMNS.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 1 Day

RFT date..... April 03, HM-14  
May 03, HM-15

TTE/TD..... AMNS MIR (Mechanical)

Prerequisites..... AM 8391

**Title..... Airborne Mine Neutralization System, Organizational Level Maintenance and Aircraft Configuration Initial Training**

Description..... Provides instructors and an initial cadre of Fleet maintenance (W/C 230) personnel with the skills, knowledge, and techniques required to conduct preventive and corrective maintenance, properly configure/de-configure the aircraft, safely handle the neutralizer, and operate BITE for the AMNS. Ordnance training as it relates to the Neutralizer.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 5 Days

RFT date..... April 03, HM-14  
May 03, HM-15

TTE/TD..... AMNS, Training Neutralizer, MH-53E provided by squadron receiving initial training

Prerequisites..... AOs, including any W/C 230 personnel outside of the AO source rate. No specific NEC required.

**Title..... Airborne Mine Neutralization System, Expendable and Training Neutralizer Inspection, Safety, Handling, and Storage**

Description..... Provides instructors and an initial cadre of shore and shipboard Weapons Department aviation ordnance personnel with the skills, knowledge, and techniques required to safely handle, inspect, and store the Expendable and Training Neutralizers.

Location..... NS Norfolk, Virginia  
NAS Corpus Christi, Texas

Length..... 1 Day

RFT date..... April 03, NS Norfolk  
May 03, NAS Corpus Christi

TTE/TD..... Training Neutralizer with container and batteries

Prerequisites..... Instructors, Weapons Department Aviation Ordnance personnel, NEC 6801

**b. Follow-on Training.** Follow-on training for operators (Pilots and Aircrewmembers) will be conducted at AWSTS. Follow-on maintenance training will be conducted at MTU-1031, NAMTRAU, NS Norfolk, Virginia. Follow-on training for NAS Weapons Department and shipboard aviation ordnance personnel will be conducted at MTU-4032, NS Norfolk, MTU-4030, NS Mayport, Florida, MTU-4035, NAS Whidbey Island, Washington, and MTU-4033, NAS North Island, California. Follow-on training for tactics personnel will be conducted at the MWTC, NS Ingleside, Texas. AMNS operator, maintenance, and tactics follow-on training will be added to existing training tracks and courses. The training materials for the maintenance and operator courses will be developed and delivered in the Training Activities format. Utilizing the AMNS Tactical Memorandum, MWTC will identify and develop required training information for incorporation into the following courses; A-121-0007 MCM MEDAL Supervisor, A-2G-2758 Mine Warfare Core, and A-2G-2760 MCM Planning Officer.

Note: AMNS training will be added to the AMCM Pilot courses identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets, therefore Pilot billet and course information will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the courses listed below is addressed in Element 4.d. of this NTSP. Additional information for the AMCM Pilot training tracks identified below can be found in the MH-53E Helicopter NTSP N88-NTSP-A-50-8417D/A, February 2001.

| <b>COURSE NUMBER</b> | <b>COURSE TITLE</b>                             | <b>TRACK NUMBER</b>    | <b>RFT DATE WITH AMNS</b>        |
|----------------------|---|------------------------|----------------------------------|
| D-2C-2762            | MH-53E Pilot AMCM Familiarization and OFT       | D-2C-2780<br>D-2C-2781 | June 2003, Refer to Element 4.d. |
| D-2C-2763            | MH-53E AMCM Pilot Familiarization/OFT Refresher | D-2C-2784<br>D-2C-2787 | June 2003, Refer to Element 4.d  |

Note: AMNS training will be added to the AMCM enlisted operator courses identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets; therefore these courses will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the track associated course listed below is addressed in Element 4.d. of this NTSP. Additional AMCM Aircrew training information can be found in the MH-53E Helicopter NTSP N88-NTSP-A-50-8417D/A, February 2001.

| <b>COURSE NUMBER</b> | <b>COURSE TITLE</b>                                | <b>TRACK NUMBER</b> | <b>RFT DATE WITH AMNS</b>        |
|----------------------|--|---------------------|----------------------------------|
| D-050-2732           | MH-53E AMCM Fleet Replacement Aircrew Category III | D-050-2796          | June 2003, Refer to Element 4.d. |
| D-050-2799           | MH-53E AMCM Aircrewman Instructor Under Training   | NA<br>Stand Alone   | *June 2003                       |

\*Add AMNS training. Change course length from 45 to 48 days. Course currently available at AWSTS NS Norfolk. Ready For Training (RFT) date with AMNS training is June 2003.

Note: AMNS training will be added to the Aviation Ordnance course identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets; therefore billet and course information will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the course listed below is addressed in Element 4.d. of this NTSP.

| <b>COURSE NUMBER</b> | <b>COURSE TITLE</b>                      | <b>TRACK NUMBER</b> | <b>RFT DATE WITH AMNS</b>        |
|----------------------|--|---------------------|----------------------------------|
| C-646-4108           | Air Launched Weapons Ordnance Supervisor | D/E-646-7007        | June 2003, Refer to Element 4.d. |

Note: As a result of the H-53 Maintenance Training Requirements Review of 04 June 2001, CNO directed that the course indicated below be reduced by five instructional days, established as a Stand Alone, and the course title changed. The information in the table below reflects that change.

Revisions required: Add AMNS configurations training include BITE operation and CM, PM, as it relates to W/C 230s support requirements. Add two days to revised course length. Course currently available at MTU-1031, NS Norfolk. RFT date with AMNS training is June 2003.

| <b>COURSE NUMBER</b> | <b>COURSE TITLE</b>                    | <b>TRACK NUMBER</b> | <b>RFT DATE WITH AMNS</b> |
|----------------------|--|---------------------|---------------------------|
| C-647-9456           | MH-53E AMCM Organizational Maintenance | NA<br>Stand Alone   | June 2003                 |

Note: AMNS MIRs (Mechanical) CM and PM training will be added to the course listed below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets; therefore billet and course information will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the course listed below is addressed in Element 4.d. of this NTSP. The course listed below is currently being revised by MTU-1031 to include AMCM systems MIRs.

| <b>COURSE NUMBER</b> | <b>COURSE TITLE</b>                            | <b>TRACK NUMBER</b> | <b>RFT DATE WITH AMNS</b> |
|----------------------|--|---------------------|---------------------------|
| C-601-9448           | MK-105 Power Plants Organizational Maintenance | D-601-2717          | June 2003                 |

**(1) Operator.** The following information identifies the enlisted AMCM operator training track that will be moderately impacted by the addition of AMNS training.

**Title..... Airborne Mine Countermeasures Fleet Replacement Aircrewman Category I Pipeline**

CIN..... D-050-2793

Model Manager.... AWSTS, NS Norfolk

Description..... This course is designed to provide the training necessary to enable MH-53E Aircrew trainees to meet those requirements set forth in the MH-53E Naval Air Training and Operating Procedures Standardization (NATOPS) and to provide basic skills necessary to perform as a crewman in Fleet AMCM squadrons.

Location..... AWSTS, NS Norfolk, Virginia

Length..... 52 days, (60 days with AMNS training and D-050-XXX1, AMNS Operator)

RFT date..... Currently available, (June 03 with AMNS training and D-050-XXX1, AMNS Operator)

Skill identifier..... APO 8226

TTE/TD..... Major training devices required to support this training include the AMCM Stream and Recovery Module, MK-105 Training Device 2H107, and AN/AQS-14A Console Simulator. (June 03 AMNS with Training Neutralizer).

Prerequisites..... D-020-2791, MH-53E Fleet Replacement Aircrew (Utility) Category I Pipeline

(2) **Maintenance.** The following information identifies the AMCM systems maintenance training track that will be moderately impacted by the addition of AMNS training.

**Title..... Airborne Mine Countermeasures Electronic/Electrical Systems Organizational/Intermediate Level Maintenance**

CIN..... D-102-2727

Model Manager.... MTU-1031, NAMTRAU, NS Norfolk

Description..... Provides ATs and AEs with the skills, knowledge, and techniques required to perform Organizational/Intermediate level maintenance and test procedures on AMCM systems.

Location..... MTU-1031, NAMTRAU, NS Norfolk

Length..... 40 days, (45 days FY03 with C-102-XXX2, AMNS O-Level maintenance course included)

RFT date..... Currently available, (June 03 with C-102-XXX2, AMNS O-Level maintenance course)

Skill identifier..... AE, AT 8391

TTE/TD..... The major training device required to support this training is the AN/AQS-14A Console Simulator. (June 03 AMNS with Training Neutralizer).

Prerequisite..... C-100-2020, Avionics Common Core Class A1 and C-100-2018, Avionics Technician O-Level Class A1

**c. Student Profiles.** The following information depicts the profiles of students that will attend AMNS follow-on training.

| <b>SKILL IDENTIFIER</b> | <b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>  |
|-------------------------|---|
| 1311                    | D/E-2D-0039, Survival Evasion Resistance, and Escape<br>P-7C-0025, Navy Leader Development Program Division Officer<br>B-322-0042, Refresher Aerospace Physiology Helicopter Training<br>B-9E-1226, Naval Aviation Water Survival Program R-3<br>C-495-0413, Shipboard Aircraft Fire Fighting |
| AE 8391                 | C-100-2020, Avionics Common Core Class A1<br>C-602-2039, Aviation Electrician's Mate O-Level Strand Class A1<br>C-602-2042, Aviation Electrician's Mate I-Level Strand Class A1   |
| AM 8391                 | C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1<br>C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1  |
| AO 6801                 | C-646-2011, Aviation Ordnanceman Common Core Class A1<br>C-646-2013, Aviation Ordnanceman Course Weapons Department Strand Class A1   |
| AT 8391                 | C-100-2020, Avionics Common Core Class A1<br>C-100-2018, Avionics Technician O-Level Class A1<br>C-100-2017, Avionics Technician I-Level Class A1   |
| APO 8226                | Q-050-1500, Naval Aircrewman Candidate School<br>D-020-2791, MH-53E Fleet Replacement Aircrew (Utility) Category I Pipeline<br>D/E-2D-0039, Survival, Evasion, Resistance, and Escape   |

**d. Training Pipelines.** Revisions required to existing AMCM operator, maintenance, and tactics training tracks relating to follow-on training support for the AMNS are as follows. Due to this being new development training, the extent of impact to these training tracks has been estimated. No new training tracks or NEC codes are required.

**(1) D-2C-2780, MH-53E AMCM Pilot Category I Pipeline and D-2C-2781, MH-53E AMCM Pilot Category II Pipeline.** Revisions required are:

(a) Revise D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT. Add AMNS training information. Change course length from 33 to 35 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2003.

(b) Change Category I total track length to 172 days. Change Category II total track length to 143 days.

**(2) D-2C-2784, MH-53E AMCM Pilot Category III Pipeline and D-2C-2787, MH-53E AMCM Pilot Category IV Pipeline.** Revisions required are:

(a) Revise D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher. Add AMNS training information. Change course length from 10 to 11 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2003.

(b) Change Category III total track length to 95 days. Change Category IV total track length to 68 days.

**(3) D-050-2793, MH-53E AMCM Fleet Replacement Aircrewman Category I Pipeline.** Revisions required are:

(a) Revise D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1. Add AMNS training information (equipment pre-flight, theory of operation, Neutralizer handling safety, stream and recovery). Change course length from 50 to 53 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2003.

(b) Add D-050-XXX1, AMNS Operator. Course length 5 days. Establish this course at AWSTS NS Norfolk. RFT date is June 2003.

(c) Change total track length to 60 days.

**(4) D-050-2796, MH-53E AMCM Fleet Replacement Aircrew Category III Pipeline.** Revisions required are:

(a) Revise D-050-2732, MH-53E AMCM Fleet Replacement Aircrew Category III. Add AMNS refresher training. Change course length from 22 to 25 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2003.

(b) Change total track length to 29 days.

**(5) D-102-2727, AMCM Electronic/Electrical Systems Organizational/Intermediate Maintenance.** Revisions required are:

(a) Add C-102-XXX2, AMNS Organizational Level Maintenance. Course length five days. Establish this course at MTU-1031, NAMTRAU, NS Norfolk. RFT date is June 2003.

(b) Change total track length to 45 days.

**(6) D-601-2717, AMCM Mechanical Systems Maintenance.** Revisions required are:

(a) Revise C-601-9448, MK-105 Power Plants and Related Systems Organizational Maintenance. Add AMNS MIR (Mechanical) training information, approximately two hours. No change to course length. Establish this course at MTU-1031, NAMTRAU, NS Norfolk. RFT date is June 2003.

(b) No change to track length.

**(7) D/E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance.** Revisions required are:

(a) Revise C-646-4108, Air Launched Weapons Ordnance Supervisor. Add AMNS training information, approximately two hours. No change to course length. RFT date is June 2003.

(b) No change to track length.

**I. ONBOARD (IN-SERVICE) TRAINING.**

**1. Proficiency or Other Training Organic to the New Development.**

**a. Aviation Maintenance Training Continuum System.** Aviation Maintenance Training Continuum System (AMTCS) will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time, thus meeting the Chief of Naval Operations (CNO) mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Computer-Based Training for the technicians in the Fleet in the form of Interactive Courseware with Computer Managed Instruction and Computer Aided Instruction for the schoolhouse.

Included in the AMTCS development effort is the AMTCS - Software Module which provides testing [Test and Evaluation], recording [Electronic Training Jacket (ETJ)], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List data bank. These tools are procured and fielded with appropriate Commercial off-the-Shelf (COTS) hardware and software, i.e., Fleet Training Devices Laptops, PCs, Electronic Classrooms, Learning Resource Centers, operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N789H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing programs, Maintenance Training Improvement Program and Maintenance Training Management and Evaluation Program.

AMNS training is expected to encompass the requirements of AMTCS. The QUAL/CERT Program requires periodic, local QUAL/CERT events to be documented in a QUAL/CERT Record. These QUAL/CERT Records will be maintained physically at the local activity, but will be entered electronically into the ETJ for tracking purposes.

**2. Personnel Qualification Standards.** Currently, there are no plans to develop a formal AMNS Personal Qualification Standard.

**3. Other Onboard or In-Service Training Packages.** None identified at this time.

Note: Although no other formal training curricula requirements have been established, it is anticipated that AMNS specific Job Qualification Requirements will be needed to support the requirements of the Explosives Handling Qualification and Certification Program.

## J. LOGISTICS SUPPORT.

### 1. Manufacturer and Contract Numbers.

| CONTRACT NUMBER  | MANUFACTURER  | ADDRESS   |
|------------------|---|---|
| N00024-99-9-6311 | Lockheed Martin<br>Naval Electronics and<br>Surveillance Systems<br>(NE&SS) | Electronics Park Building 7<br>Syracuse, NY 13221-4840<br><a href="http://www.lockheedmartin.com/syracuse">http://www.lockheedmartin.com/syracuse</a> |

**2. Program Documentation.** Lockheed Martin NE&SS's Integrated Support Plan, entitled Final Logistics Plan for the Airborne Mine Neutralization System, dated 19 October 2000 is currently available. The AMNS Acquisition Logistics Support Plan and MP are currently under development and the drafts are expected to be complete prior to OPEVAL.

**3. Technical Data Plan.** Lockheed Martin NE&SS developed and delivered a Preliminary COTS/NDI Technical Manual (TM), consisting of related Work Packages, to support TECHEVAL and OPEVAL. The Preliminary COTS/NDI TM will support AMNS operation, maintenance, and training of the system and subsystems for TECHEVAL and OPEVAL. The Government will validate the Preliminary COTS/NDI TM during TECHEVAL and OPEVAL and will update the Preliminary COTS/NDI TM during the DT&E phase. The Naval Air Technical Data and Engineering Service Command (NATEC), San Diego, California chairs AMNS TM Adequacy Reviews to verify Government updates. After completion of OPEVAL, the Preliminary COTS/NDI TMs will be revised to reflect the format requirements outlined in the AMNS Technical Manual Contract Requirements currently under development. The final TM will be reviewed and approved by NATEC and issued to the Fleet and Training Activities in Electronic Technical Manual (ETM) format. Operator procedures will be submitted to the AMCM model manager for approval and inclusion in affected NATOPS manuals.

**4. Test Sets, Tools, and Test Equipment.** Equipment required to support TECHEVAL and OPEVAL is currently available. Refer to the Part IV for Common Support Equipment (CSE), Peculiar Support Equipment (PSE) required to support AMNS operator and maintenance training.

**5. Repair Parts.** The Naval Inventory Control Point, Mechanicsburg, Pennsylvania is responsible for AMNS supply support of non-ordnance material. The Naval Ammunition Logistics Center, Mechanicsburg, Pennsylvania is responsible for AMNS supply support of ordnance material. Fleet users will requisition material via Military Standard Requisition and Issue Process. The AMNS Material Support Date is scheduled for August 2006.

**6. Human Systems Integration.** Detailed Human Systems Integration information is contained in the AMNS contractor Logistics Plan Number 77A119583-B, April 2000 and the AMNS Logistics Plan, October 2000.

## K. SCHEDULES.

**1. Installation and Delivery Schedules.** The schedule below identifies the number of systems projected for Fleet delivery.

| ACTIVITY | FY02 | FY03 | FY04 |
|----------|------|------|------|
| HM-14    | 0    | 03   | 01   |
| HM-15    | 0    | 03   | 01   |

**2. Ready for Operational Use Schedules.** The AMNS is Ready For Operational Use (RFOU) upon delivery to the squadron.

**3. Time Required to Install at Operational Sites.** The system is delivered RFOU but is not permanently installed in the aircraft. Objective is two hours and the threshold is four hours for four technicians to install the system in an AMCM configured aircraft and two hours for removal by four technicians. Approximately 30 minutes will be required for system operational checks once installed in the aircraft.

**4. Foreign Military Sales and Other Source Delivery Schedule. NA**

**5. Training Device and Technical Training Equipment Delivery Schedule.** Lockheed Martin will be providing Training Devices (TD) and Technical Training Equipment (TTE) necessary to support TECHEVAL and OPEVAL training. Major TDs and TTE required to support the Training Activity's are listed below. Refer to Part IV for additional TD and TTE information.

**(a) Operator.** The following devices will be located at the AWSTS, NS Norfolk, Virginia and will be utilized to support both Lab and AMCM Stream and Recovery Module (ASRM) training requirements:

| <b>DEVICE</b>                      | <b>DATE REQUIRED</b> |
|------------------------------------|----------------------|
| Operator Console (Lab).....        | April 2003           |
| Training Neutralizer (Lab) .....   | April 2003           |
| Dummy Neutralizers (ASRM).....     | April 2003           |
| Dummy IWA with Cradle (ASRM) ..... | April 2003           |

**(b) Maintenance.** The following devices will be located at MTU-1031, NS Norfolk, Virginia:

| <b>DEVICE</b>                            | <b>DATE REQUIRED</b> |
|--|----------------------|
| Operator Console .....                   | April 2003           |
| Training Neutralizer with Container..... | April 2003           |
| IWA .....                                | April 2003           |

**(c) Ordnance Handling.** The following devices will be located at MTUs-4032, NS Norfolk, 4030, NS Mayport, Florida, 4035, NAS Whidbey Island, Washington, and 4033, NAS North Island, California:

| <b>DEVICE</b>                              | <b>DATE REQUIRED</b> |
|--|----------------------|
| Training Neutralizers with Containers..... | April 2003           |

Note: Functional requirements for the Training Neutralizers identified to support C-646-4108, Air Launched Weapons Ordnance Supervisor course are currently under review by NAMTRA Head Quarters, Air Launch Weapons Branch.

**L. GOVERNMENT-FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA**

**M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS.**

| <b>DOCUMENT OR NTSP TITLE</b>                                    | <b>DOCUMENT OR NTSP NUMBERS</b> | <b>DA CODE</b>              | <b>STATUS</b>             |
|--|---------------------------------|-----------------------------|---------------------------|
| AMNS Weapon System Explosives Safety Review Board Data Package   | NA                              | NAVSURFWARCEN<br>COASTSYSTA | Draft<br>April 1999       |
| System Performance Specification for the AMNS                    | E7-C163                         | PMS210                      | Draft<br>August 1999      |
| Final Logistics Plan for the Airborne Mine Neutralization System | AMNS<br>LP No. 77A119583-C      | PMS210                      | Final<br>October 2000     |
| MH-53E AMCM Helicopter NTSP                                      | N88-NTSP-A-50-8417D/A           | PMA261                      | Approved<br>February 2001 |
| AN/AQS-14A NTSP  | N75-NTSP-P-30-9903/A            | PMS210                      | Approved<br>April 2001    |

## **PART II - BILLET AND PERSONNEL REQUIREMENTS**

The following elements are not affected by the AMNS therefore they are not included in Part II of this NTSP:

### **II.A. Billet Requirements**

II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule

II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities

II.A.2.c. Total Billets to be Deleted in Operational and Fleet Support Activities

Note: Officer information has been omitted from this section due to the limited impact the AMNS has to officer training and no changes to officer billet requirements. Refer to the activities Manpower Document for officer billet information.

**PART II - BILLET AND PERSONNEL REQUIREMENTS**

**II.A. BILLET REQUIREMENTS**

**II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE**

**SOURCE:** Total Force Manpower Management System (AIR 3.4.1)

**DATE:** 04/26/01

| <b>ACTIVITY, UIC</b>                   |       | <b>PFYs</b> | <b>CFY01</b> | <b>FY02</b> | <b>FY03</b> | <b>FY04</b> | <b>FY05</b> |
|--|-------|-------------|--------------|-------------|-------------|-------------|-------------|
| <b>OPERATIONAL ACTIVITIES - NAVY</b>   |       |             |              |             |             |             |             |
| Helicopter Mine Countermeasures, HM-14 | 53827 | 1           | 0            | 0           | 1           | 0           | 0           |
| Helicopter Mine Countermeasures, HM-15 | 55201 | 1           | 0            | 0           | 1           | 0           | 0           |
| <b>TOTAL:</b>                          |       | <b>2</b>    | <b>0</b>     | <b>0</b>    | <b>2</b>    | <b>0</b>    | <b>0</b>    |
| <b>FLEET SUPPORT ACTIVITIES - NAVY</b> |       |             |              |             |             |             |             |
| AIMD MCS 12, USS Inchon                | 20009 | 1           | 0            | 0           | 1           | 0           | 0           |
| AIMD Oceana Air Det Norfolk            | 44325 | 1           | 0            | 0           | 1           | 0           | 0           |
| AIMD Truax Field, NAS Corpus Christi   | 30244 | 1           | 0            | 0           | 1           | 0           | 0           |
| COMHELTACWINGLANT                      | 44890 | 1           | 0            | 0           | 1           | 0           | 0           |
| HM-14 Fleet Replacement Det            | 09132 | 1           | 0            | 0           | 0           | 0           | 0           |
| NAVRTYWING ACTESTRON                   | 39784 | 1           | 0            | 0           | 0           | 0           | 0           |
| NAVSURFWARCEN COASTSYSTA               | 61331 | 1           | 1            | 0           | 0           | 0           | 0           |
| VX-1                                   | 55600 | 1           | 0            | 0           | 0           | 0           | 0           |
| COMHELWINGRES                          | 09983 | 1           | 0            | 0           | 1           | 0           | 0           |
| <b>TOTAL</b>                           |       | <b>9</b>    | <b>1</b>     | <b>0</b>    | <b>5</b>    | <b>0</b>    | <b>0</b>    |

Note: Although currently active, the information in the CFY01-FY03 columns above illustrates activity activation based on AMNS developmental (TECHEVAL/OPEVAL) support and fleet delivery.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT              | BILLETS |     | DESIG/<br>RATING | PNEC/<br>PMOS | SNEC/<br>SMOS |
|---|---------|-----|------------------|---------------|---------------|
|   | OFF     | ENL |                  |               |               |
| OPERATIONAL ACTIVITIES - NAVY                 |         |     |                  |               |               |
| Helicopter Mine Countermeasures, HM-14, 53827 |         |     |                  |               |               |
| ACDU  | 0       | 1   | AD1              | 8391          |               |
|   | 0       | 1   | AD2              | 8391          |               |
|   | 0       | 2   | AD3              | 8391          |               |
|   | 0       | 1   | ADAN             | 8391          |               |
|   | 0       | 1   | AE1              | 8391          |               |
|   | 0       | 3   | AE2              | 8391          |               |
|   | 0       | 2   | AE3              | 8391          |               |
|   | 0       | 2   | AEAN             | 8391          |               |
|   | 0       | 1   | AMH1             | 8391          |               |
|   | 0       | 2   | AMH2             | 8391          |               |
|   | 0       | 4   | AMH3             | 8391          |               |
|   | 0       | 3   | AMHAN            | 8391          |               |
|   | 0       | 2   | AMS1             | 8391          |               |
|   | 0       | 2   | AMS2             | 8391          |               |
|   | 0       | 2   | AMS3             | 8391          |               |
|   | 0       | 3   | AMSAN            | 8391          |               |
|   | 0       | 2   | APOCS            | 8226          |               |
|   | 0       | 2   | APOC             | 8226          |               |
|   | 0       | 10  | APO1             | 8226          |               |
|   | 0       | 25  | APO2             | 8226          |               |
|   | 0       | 24  | APO3             | 8226          |               |
|   | 0       | 16  | APOAN            | 8226          |               |
|   | 0       | 2   | AT1              | 8391          |               |
|   | 0       | 3   | AT2              | 8391          |               |
|   | 0       | 2   | AT2              | 8391          | 9526          |
|   | 0       | 1   | AT3              | 8391          |               |
| TAR   | 0       | 1   | AE1              | 8391          |               |
|   | 0       | 2   | AE2              | 8391          |               |
|   | 0       | 2   | AMH1             | 8391          |               |
|   | 0       | 2   | AMH3             | 8391          |               |
|   | 0       | 1   | AMHAN            | 8391          |               |
|   | 0       | 1   | AMS3             | 8391          |               |
|   | 0       | 1   | APOC             | 8226          |               |
|   | 0       | 2   | APO1             | 8226          |               |
|   | 0       | 2   | APO2             | 8226          |               |
|   | 0       | 2   | APO3             | 8226          |               |
|   | 0       | 5   | APOAN            | 8226          |               |
|   | 0       | 2   | AT1              | 8391          |               |
|   | 0       | 2   | AT2              | 8391          |               |
|   | 0       | 1   | AT3              | 8391          |               |
| SELRES  | 0       | 1   | ADAN             | 8391          |               |
|   | 0       | 1   | AE3              | 8391          |               |
|   | 0       | 1   | AEAN             | 8391          |               |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT                     | BILLETS |     | DESIG/<br>RATING | PNEC/<br>PMOS | SNEC/<br>SMOS |  |
|--|---------|-----|------------------|---------------|---------------|--|
|  | OFF     | ENL |                  |               |               |  |
| SELRES   | 0       | 2   | AMHAN            | 8391          |               |  |
|  | 0       | 1   | AMS2             | 8391          |               |  |
|  | 0       | 1   | AMSAN            | 8391          |               |  |
|  | 0       | 1   | APOC             | 8226          |               |  |
|  | 0       | 2   | APO1             | 8226          |               |  |
|  | 0       | 3   | APO2             | 8226          |               |  |
|  | 0       | 4   | APO3             | 8226          |               |  |
|  | 0       | 3   | APOAN            | 8226          |               |  |
|  | 0       | 1   | AT3              | 8391          |               |  |
|  | 0       | 3   | ATAN             | 8391          |               |  |
| <b>ACTIVITY TOTAL:</b>                               | 0       | 169 |                  |               |               |  |
| <b>Helicopter Mine Countermeasures, HM-15, 55201</b> |         |     |                  |               |               |  |
| ACDU   | 0       | 1   | AD1              | 8391          |               |  |
|  | 0       | 1   | AD2              | 8391          |               |  |
|  | 0       | 2   | AD3              | 8391          |               |  |
|  | 0       | 1   | ADAN             | 8391          |               |  |
|  | 0       | 1   | AE1              | 8391          |               |  |
|  | 0       | 3   | AE2              | 8391          |               |  |
|  | 0       | 2   | AE3              | 8391          |               |  |
|  | 0       | 2   | AEAN             | 8391          |               |  |
|  | 0       | 1   | AMH1             | 8391          |               |  |
|  | 0       | 2   | AMH2             | 8391          |               |  |
|  | 0       | 4   | AMH3             | 8391          |               |  |
|  | 0       | 3   | AMHAN            | 8391          |               |  |
|  | 0       | 2   | AMS1             | 8391          |               |  |
|  | 0       | 2   | AMS2             | 8391          |               |  |
|  | 0       | 2   | AMS3             | 8391          |               |  |
|  | 0       | 3   | AMSAN            | 8391          |               |  |
|  | 0       | 2   | APOCS            | 8226          |               |  |
|  | 0       | 2   | APOC             | 8226          |               |  |
|  | 0       | 10  | APO1             | 8226          |               |  |
|  | 0       | 25  | APO2             | 8226          |               |  |
|  | 0       | 24  | APO3             | 8226          |               |  |
|  | 0       | 16  | APOAN            | 8226          |               |  |
|  | 0       | 2   | AT1              | 8391          |               |  |
|  | 0       | 3   | AT2              | 8391          |               |  |
|  | 0       | 2   | AT2              | 8391          | 9526          |  |
|  | 0       | 1   | AT3              | 8391          |               |  |
|  | TAR     | 0   | 1                | AE1           | 8391          |  |
|  |         | 0   | 2                | AE2           | 8391          |  |
| 0  |         | 2   | AMH1             | 8391          |               |  |
| 0  |         | 2   | AMH3             | 8391          |               |  |
| 0  |         | 1   | AMHAN            | 8391          |               |  |
| 0  |         | 1   | AMS3             | 8391          |               |  |
| 0  |         | 1   | APOC             | 8226          |               |  |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT                   | BILLETS |     | DESIG/<br>RATING | PNEC/<br>PMOS | SNEC/<br>SMOS |
|--|---------|-----|------------------|---------------|---------------|
|  | OFF     | ENL |                  |               |               |
| TAR  | 0       | 2   | APO1             | 8226          |               |
|  | 0       | 2   | APO2             | 8226          |               |
|  | 0       | 2   | APO3             | 8226          |               |
|  | 0       | 5   | APOAN            | 8226          |               |
|  | 0       | 2   | AT1              | 8391          |               |
|  | 0       | 2   | AT2              | 8391          |               |
|  | 0       | 1   | AT3              | 8391          |               |
| SELRES   | 0       | 1   | ADAN             | 8391          |               |
|  | 0       | 1   | AE3              | 8391          |               |
|  | 0       | 1   | AEAN             | 8391          |               |
|  | 0       | 2   | AMHAN            | 8391          |               |
|  | 0       | 1   | AMS2             | 8391          |               |
|  | 0       | 1   | AMSAN            | 8391          |               |
|  | 0       | 1   | APOC             | 8226          |               |
|  | 0       | 2   | APO1             | 8226          |               |
|  | 0       | 3   | APO2             | 8226          |               |
|  | 0       | 4   | APO3             | 8226          |               |
|  | 0       | 3   | APOAN            | 8226          |               |
|  | 0       | 1   | AT3              | 8391          |               |
|  | 0       | 3   | ATAN             | 8391          |               |
| <b>ACTIVITY TOTAL:</b>                             | 0       | 169 |                  |               |               |
| FLEET SUPPORT ACTIVITIES - NAVY                    |         |     |                  |               |               |
| <b>AIMD MCS 12, USS Incheon, 20009</b>             |         |     |                  |               |               |
| ACDU   | 0       | 1   | AE1              | 8391          | 9526          |
|  | 0       | 1   | AT1              | 8391          |               |
| SELRES   | 0       | 1   | AT2              | 8391          |               |
| <b>ACTIVITY TOTAL:</b>                             | 0       | 3   |                  |               |               |
| <b>AIMD Oceana Air Det Norfolk, 44325</b>          |         |     |                  |               |               |
| ACDU   | 0       | 2   | AE2              | 8391          |               |
|  | 0       | 4   | AT2              | 8391          |               |
|  | 0       | 1   | AT2              | 8391          | 9527          |
| <b>ACTIVITY TOTAL:</b>                             | 0       | 7   |                  |               |               |
| <b>AIMD Truax Field, NAS Corpus Christi, 30244</b> |         |     |                  |               |               |
| ACDU   | 0       | 1   | AE2              | 8391          | 9527          |
|  | 0       | 1   | AT1              | 8391          | 9527          |
|  | 0       | 1   | AT2              | 8391          |               |
| <b>ACTIVITY TOTAL:</b>                             | 0       | 3   |                  |               |               |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT          | BILLETS  |           | DESIG/<br>RATING | PNEC/<br>PMOS | SNEC/<br>SMOS |
|---|----------|-----------|------------------|---------------|---------------|
|   | OFF      | ENL       |                  |               |               |
| <b>COMHELTACWINGLANT, 44890</b>           |          |           |                  |               |               |
| ACDU                                      | 0        | 1         | AD1              | 8226          | 8303          |
|   | 0        | 1         | AEC              | 8377          | 8391          |
|   | 0        | 1         | AMHC             | 8391          | 8379          |
|   | 0        | 1         | APOC             | 8226          |               |
|   | 0        | 1         | ATC              | 8391          |               |
| <b>ACTIVITY TOTAL:</b>                    | <b>0</b> | <b>5</b>  |                  |               |               |
| <b>HM-14 Fleet Replacement Det, 09132</b> |          |           |                  |               |               |
| ACDU                                      | 0        | 1         | AD2              | 8226          |               |
|   | 0        | 4         | AD3              | 8226          |               |
| <b>ACTIVITY TOTAL:</b>                    | <b>0</b> | <b>5</b>  |                  |               |               |
| <b>NAVRTYWING ACTESTRON, 39784</b>        |          |           |                  |               |               |
| ACDU                                      | 0        | 1         | AD2              | 8226          |               |
|   | 0        | 1         | AE2              | 8226          |               |
| <b>ACTIVITY TOTAL:</b>                    | <b>0</b> | <b>2</b>  |                  |               |               |
| <b>NAVSURFWARCEN COASTSYSTA, 61331</b>    |          |           |                  |               |               |
| ACDU                                      | 0        | 1         | AD1              | 8226          | 8303          |
|   | 0        | 1         | AD2              | 8226          | 8303          |
|   | 0        | 1         | AEC              | 8226          |               |
|   | 0        | 1         | AE1              | 8226          |               |
|   | 0        | 1         | AE1              | 8226          | 8303          |
|   | 0        | 1         | AE3              | 8226          | 8303          |
|   | 0        | 1         | AMH1             | 8226          | 8303          |
|   | 0        | 1         | ADC              | 8226          |               |
|   | 0        | 1         | AMH3             | 8226          |               |
|   | 0        | 1         | AMSC             | 8226          |               |
|   | 0        | 1         | AMS1             | 8226          | 8303          |
|   | 0        | 1         | AMS2             | 8226          | 8303          |
|   | 0        | 1         | AMS3             | 8226          |               |
| <b>ACTIVITY TOTAL:</b>                    | <b>0</b> | <b>13</b> |                  |               |               |
| <b>VX-1, 55600</b>                        |          |           |                  |               |               |
| ACDU                                      | 0        | 1         | APO2             | 8226          |               |
| <b>ACTIVITY TOTAL:</b>                    | <b>0</b> | <b>1</b>  |                  |               |               |
| <b>COMHELWINGRES, 09983</b>               |          |           |                  |               |               |
| TAR                                       | 0        | 1         | AMH1             | 8226          |               |
| <b>ACTIVITY TOTAL:</b>                    | <b>0</b> | <b>1</b>  |                  |               |               |

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| DESIG/<br>RATING                   | PNEC/SNEC<br>PMOS/SMOS | PFYs |     | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|------------------------------------|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                                    |                        | OFF  | ENL | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |
| NAVY OPERATIONAL ACTIVITIES - ACDU |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| AD1                                | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AD2                                | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AD3                                | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| ADAN                               | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE1                                | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE2                                | 8391                   |      | 6   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE3                                | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AEAN                               | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMH1                               | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMH2                               | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMH3                               | 8391                   |      | 8   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMHAN                              | 8391                   |      | 6   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS1                               | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS2                               | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS3                               | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMSAN                              | 8391                   |      | 6   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOCS                              | 8226                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOC                               | 8226                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO1                               | 8226                   |      | 20  |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO2                               | 8226                   |      | 50  |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO3                               | 8226                   |      | 48  |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOAN                              | 8226                   |      | 32  |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT1                                | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT2                                | 8391                   |      | 6   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT2                                | 8391 9526              |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT3                                | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| NAVY OPERATIONAL ACTIVITIES - TAR  |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| AE1                                | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE2                                | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMH1                               | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMH3                               | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMHAN                              | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS3                               | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOC                               | 8226                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO1                               | 8226                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO2                               | 8226                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO3                               | 8226                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOAN                              | 8226                   |      | 10  |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT1                                | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT2                                | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT3                                | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| DESIG/<br>RATING                       | PNEC/SNEC<br>PMOS/SMOS | PFYs |     | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|--|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
|  |                        | OFF  | ENL | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |
| NAVY OPERATIONAL ACTIVITIES - SELRES   |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| ADAN                                   | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE3                                    | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AEAN                                   | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMHAN                                  | 8391                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS2                                   | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMSAN                                  | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOC                                   | 8226                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO1                                   | 8226                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO2                                   | 8226                   |      | 6   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO3                                   | 8226                   |      | 8   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOAN                                  | 8226                   |      | 6   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT3                                    | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| ATAN                                   | 8391                   |      | 6   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU   |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| AD1                                    | 8226                   | 8303 | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AD2                                    | 8226                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AD2                                    | 8226                   | 8303 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AD3                                    | 8226                   |      | 4   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AEC                                    | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AEC                                    | 8377                   | 8391 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE1                                    | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE1                                    | 8226                   | 8303 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE1                                    | 8391                   | 9526 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE2                                    | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE2                                    | 8391                   |      | 2   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE2                                    | 8391                   | 9527 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AE3                                    | 8226                   | 8303 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMHC                                   | 8391                   | 8379 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMH1                                   | 8226                   | 8303 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| ADC                                    | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMH3                                   | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMSC                                   | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS1                                   | 8226                   | 8303 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS2                                   | 8226                   | 8303 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AMS3                                   | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APOC                                   | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| APO2                                   | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| ATC                                    | 8391                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT1                                    | 8391                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT1                                    | 8391                   | 9527 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT2                                    | 8391                   |      | 5   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| AT2                                    | 8391                   | 9527 | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| NAVY FLEET SUPPORT ACTIVITIES - TAR    |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| AMH1                                   | 8226                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| AT2                                    | 8391                   |      | 1   |       | 0   |      | 0   |      | 0   |      | 0   |      | 0   |

**II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES**

| DESIG/<br>RATING                       | PNEC/SNEC<br>PMOS/SMOS | PFYs |     | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|--|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
|  |                        | OFF  | ENL | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |
| <b>SUMMARY TOTALS:</b>                 |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| NAVY OPERATIONAL ACTIVITIES - ACDU     |                        | 238  |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| NAVY OPERATIONAL ACTIVITIES - TAR      |                        | 52   |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| NAVY OPERATIONAL ACTIVITIES - SELRES   |                        | 48   |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU   |                        | 38   |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| NAVY FLEET SUPPORT ACTIVITIES - TAR    |                        | 1    |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES |                        | 1    |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| <b>GRAND TOTALS:</b>                   |                        |      |     |       |     |      |     |      |     |      |     |      |     |
| NAVY - ACDU                            |                        | 276  |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| NAVY - TAR                             |                        | 53   |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |
| NAVY - SELRES                          |                        | 49   |     | 0     |     | 0    |     | 0    |     | 0    |     | 0    |     |

**II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS**

| DESIG<br>RATING | PNEC/SNEC<br>PMOS/SMOS |  | PFYs |     | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|-----------------|------------------------|--|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                 |                        |  | OFF  | ENL | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |

TRAINING ACTIVITY, LOCATION, UIC: AWSTS, NS Norfolk, 69022

**INSTRUCTOR BILLETS**

| ACDU          |      |      |   |    |   |    |   |    |   |    |   |    |   |    |
|---------------|------|------|---|----|---|----|---|----|---|----|---|----|---|----|
| AM1           | 8226 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| APOC          | 8226 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| APO1          | 8226 | 9502 | 0 | 2  | 0 | 3  | 0 | 3  | 0 | 3  | 0 | 3  | 0 | 3  |
| APO2          | 8226 | 9502 | 0 | 8  | 0 | 9  | 0 | 9  | 0 | 9  | 0 | 9  | 0 | 9  |
| <b>TOTAL:</b> |      |      | 0 | 12 | 2 | 14 | 0 | 14 | 0 | 14 | 0 | 14 | 0 | 14 |

TRAINING ACTIVITY, LOCATION, UIC: MTU-1031 NAMTRAU, NS Norfolk, 66046

**INSTRUCTOR BILLETS**

| ACDU          |      |      |   |    |   |    |   |    |   |    |   |    |   |    |
|---------------|------|------|---|----|---|----|---|----|---|----|---|----|---|----|
| AD1           | 8391 | 9502 | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  |
| AE2           | 8391 | 9502 | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  |
| AMH2          | 8391 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| AMSC          | 8391 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| AMS1          | 8391 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| AMS2          | 8391 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| ATC           | 8391 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| AT2           | 8391 | 9502 | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  | 0 | 1  |
| <b>TOTAL:</b> |      |      | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 |

**II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS**

| ACTIVITY,<br>LOCATION, UIC           | USN/<br>USMC | PFYs |      | CFY01 |      | FY02 |      | FY03 |      | FY04 |      | FY05 |      |
|--------------------------------------|--------------|------|------|-------|------|------|------|------|------|------|------|------|------|
|                                      |              | OFF  | ENL  | OFF   | ENL  | OFF  | ENL  | OFF  | ENL  | OFF  | ENL  | OFF  | ENL  |
| AWSTS, NS Norfolk, 69022             | NAVY         |      | 11.2 |       | 11.2 |      | 11.2 |      | 12.9 |      | 12.9 |      | 12.9 |
| MTU 1031, NAMTRAU, NS Norfolk, 66046 | NAVY         |      | 3.9  |       | 2.5  |      | 2.5  |      | 2.8  |      | 2.8  |      | 2.8  |
| <b>SUMMARY TOTALS:</b>               |              |      |      |       |      |      |      |      |      |      |      |      |      |
|                                      | NAVY         |      | 15.1 |       | 13.7 |      | 13.7 |      | 15.7 |      | 15.7 |      | 15.7 |
| <b>GRAND TOTALS:</b>                 |              |      |      |       |      |      |      |      |      |      |      |      |      |
|                                      |              |      | 15.1 |       | 13.7 |      | 13.7 |      | 15.7 |      | 15.7 |      | 15.7 |

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/<br>RATING | PNEC/<br>PMOS | SNEC/<br>SMOS | BILLET<br>BASE | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|------------------|---------------|---------------|----------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                  |               |               |                | +/-   | CUM | +/-  | CUM | +/-  | CUM | +/-  | CUM | +/-  | CUM |

a. OFFICER - USN

NA.

b. ENLISTED - USN

Operational Billets ACDU and TAR

|       |      |      |    |   |    |   |    |   |    |   |    |   |    |
|-------|------|------|----|---|----|---|----|---|----|---|----|---|----|
| AD1   | 8391 |      | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  |
| AD2   | 8391 |      | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  |
| AD3   | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| ADAN  | 8391 |      | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  | 0 | 2  |
| AE1   | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| AE2   | 8391 |      | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 |
| AE3   | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| AEAN  | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| AMH1  | 8391 |      | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  |
| AMH2  | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| AMH3  | 8391 |      | 12 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 |
| AMHAN | 8391 |      | 8  | 0 | 8  | 0 | 8  | 0 | 8  | 0 | 8  | 0 | 8  |
| AMS1  | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| AMS2  | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| AMS3  | 8391 |      | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  |
| AMSAN | 8391 |      | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  |
| APOCS | 8226 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| APOC  | 8226 |      | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  | 0 | 6  |
| APO1  | 8226 |      | 24 | 0 | 24 | 0 | 24 | 0 | 24 | 0 | 24 | 0 | 24 |
| APO2  | 8226 |      | 54 | 0 | 54 | 0 | 54 | 0 | 54 | 0 | 54 | 0 | 54 |
| APO3  | 8226 |      | 52 | 0 | 52 | 0 | 52 | 0 | 52 | 0 | 52 | 0 | 52 |
| APOAN | 8226 |      | 42 | 0 | 42 | 0 | 42 | 0 | 42 | 0 | 42 | 0 | 42 |
| AT1   | 8391 |      | 8  | 0 | 8  | 0 | 8  | 0 | 8  | 0 | 8  | 0 | 8  |
| AT2   | 8391 |      | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 |
| AT2   | 8391 | 9526 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |
| AT3   | 8391 |      | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  | 0 | 4  |

Fleet Support Billets ACDU and TAR

|     |      |      |   |   |   |   |   |   |   |   |   |   |   |
|-----|------|------|---|---|---|---|---|---|---|---|---|---|---|
| AD1 | 8226 | 8303 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| AD2 | 8226 |      | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| AD2 | 8226 | 8303 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AD3 | 8226 |      | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| AEC | 8226 |      | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AEC | 8377 | 8391 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AE1 | 8226 |      | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AE1 | 8226 | 8303 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AE1 | 8391 | 9526 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AE2 | 8226 |      | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AE2 | 8391 |      | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| AE2 | 8391 | 9527 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/<br>RATING                        | PNEC/<br>PMOS | SNEC/<br>SMOS | BILLET<br>BASE | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|---|---------------|---------------|----------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
|   |               |               |                | +/-   | CUM | +/-  | CUM | +/-  | CUM | +/-  | CUM | +/-  | CUM |
| AE3                                     | 8226          | 8303          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMHC                                    | 8391          | 8379          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMH1                                    | 8226          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMH1                                    | 8226          | 8303          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| ADC                                     | 8226          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMH3                                    | 8226          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMSC                                    | 8226          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMS1                                    | 8226          | 8303          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMS2                                    | 8226          | 8303          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMS3                                    | 8226          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| APOC                                    | 8226          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| APO2                                    | 8226          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| ATC                                     | 8391          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AT1                                     | 8391          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AT1                                     | 8391          | 9527          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AT2                                     | 8391          |               | 5              | 0     | 5   | 0    | 5   | 0    | 5   | 0    | 5   | 0    | 5   |
| AT2                                     | 8391          | 9527          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| Staff Billets ACDU and TAR              |               |               |                |       |     |      |     |      |     |      |     |      |     |
| AD1                                     | 8391          | 9502          | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| AE2                                     | 8391          | 9502          | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| AMH2                                    | 8391          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMSC                                    | 8391          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMS1                                    | 8226          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMS1                                    | 8391          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AMS2                                    | 8391          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| APOC                                    | 8226          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| APO1                                    | 8226          | 9502          | 2              | 1     | 3   | 0    | 3   | 0    | 3   | 0    | 3   | 0    | 3   |
| APO2                                    | 8226          | 9502          | 8              | 1     | 9   | 0    | 9   | 0    | 9   | 0    | 9   | 0    | 9   |
| ATC                                     | 8391          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| AT2                                     | 8391          | 9502          | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |
| Chargeable Student Billets ACDU and TAR |               |               |                |       |     |      |     |      |     |      |     |      |     |
|   |               |               | 15             | -1    | 14  | 0    | 14  | 2    | 16  | 0    | 16  | 0    | 16  |
| SELRES Billets                          |               |               |                |       |     |      |     |      |     |      |     |      |     |
| ADAN                                    | 8391          |               | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| AE3                                     | 8391          |               | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| AEAN                                    | 8391          |               | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| AMHAN                                   | 8391          |               | 4              | 0     | 4   | 0    | 4   | 0    | 4   | 0    | 4   | 0    | 4   |
| AMS2                                    | 8391          |               | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| AMSAN                                   | 8391          |               | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| APOC                                    | 8226          |               | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| APO1                                    | 8226          |               | 4              | 0     | 4   | 0    | 4   | 0    | 4   | 0    | 4   | 0    | 4   |
| APO2                                    | 8226          |               | 6              | 0     | 6   | 0    | 6   | 0    | 6   | 0    | 6   | 0    | 6   |
| APO3                                    | 8226          |               | 8              | 0     | 8   | 0    | 8   | 0    | 8   | 0    | 8   | 0    | 8   |
| APOAN                                   | 8226          |               | 6              | 0     | 6   | 0    | 6   | 0    | 6   | 0    | 6   | 0    | 6   |
| AT2                                     | 8391          |               | 1              | 0     | 1   | 0    | 1   | 0    | 1   | 0    | 1   | 0    | 1   |

**II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS**

| DESIG/<br>RATING | PNEC/<br>PMOS | SNEC/<br>SMOS | BILLET<br>BASE | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|------------------|---------------|---------------|----------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                  |               |               |                | +/-   | CUM | +/-  | CUM | +/-  | CUM | +/-  | CUM | +/-  | CUM |
| AT3              | 8391          |               | 2              | 0     | 2   | 0    | 2   | 0    | 2   | 0    | 2   | 0    | 2   |
| ATAN             | 8391          |               | 6              | 0     | 6   | 0    | 6   | 0    | 6   | 0    | 6   | 0    | 6   |

**TOTAL USN ENLISTED BILLETS:**

|                    |  |  |     |    |     |   |     |   |     |   |     |   |     |
|--------------------|--|--|-----|----|-----|---|-----|---|-----|---|-----|---|-----|
| Operational        |  |  | 290 | 0  | 290 | 0 | 290 | 0 | 290 | 0 | 290 | 0 | 290 |
| Fleet Support      |  |  | 39  | 0  | 39  | 0 | 39  | 0 | 39  | 0 | 39  | 0 | 39  |
| Staff              |  |  | 22  | 2  | 24  | 0 | 24  | 0 | 24  | 0 | 24  | 0 | 24  |
| Chargeable Student |  |  | 15  | -1 | 14  | 0 | 14  | 2 | 16  | 0 | 16  | 0 | 16  |
| SELRES             |  |  | 49  | 0  | 49  | 0 | 49  | 0 | 49  | 0 | 49  | 0 | 49  |

**c. OFFICER - USMC**

NA.

**d. ENLISTED - USMC**

NA.

**II.B. PERSONNEL REQUIREMENTS**

**II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS**

**CIN, COURSE TITLE:** D-050-2793, MH-53E Airborne Mine Countermeasures Fleet Replacement Aircrewman CAT I  
**COURSE LENGTH:** 7.6 Weeks (8.8 FY03)      **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10%      **BACKOUT FACTOR:** 0.15 (0.18 FY03)

| TRAINING<br>ACTIVITY | SOURCE | ACDU/TAR<br>SELRES | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|----------------------|--------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                      |        |                    | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |
| AWSTS, NS Norfolk    |        |                    |       |     |      |     |      |     |      |     |      |     |
|                      | NAVY   | ACDU               |       | 72  |      | 72  |      | 72  |      | 72  |      | 72  |
|                      |        | TAR                |       | 11  |      | 11  |      | 11  |      | 11  |      | 11  |
|                      |        | SELRES             |       | 3   |      | 3   |      | 3   |      | 3   |      | 3   |
|                      |        | TOTAL:             |       | 86  |      | 86  |      | 86  |      | 86  |      | 86  |

**CIN, COURSE TITLE:** D-102-2727, AMCM Electronic Systems Organizational/Intermediate Level Maintenance  
**COURSE LENGTH:** 6.0 Weeks (6.6 FY03)      **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10%      **BACKOUT FACTOR:** 0.12 (0.13 FY03)

| TRAINING<br>ACTIVITY         | SOURCE | ACDU/TAR<br>SELRES | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|------------------------------|--------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                              |        |                    | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |
| MTU-1031 NAMTRAU, NS Norfolk |        |                    |       |     |      |     |      |     |      |     |      |     |
|                              | NAVY   | ACDU               |       | 18  |      | 18  |      | 18  |      | 18  |      | 18  |
|                              |        | TAR                |       | 6   |      | 6   |      | 6   |      | 6   |      | 6   |
|                              |        | SELRES             |       | 1   |      | 1   |      | 1   |      | 1   |      | 1   |
|                              |        | TOTAL:             |       | 25  |      | 25  |      | 25  |      | 25  |      | 25  |

**CIN, COURSE TITLE:** C-050-XXX1, Airborne Mine Neutralization System Operator  
**COURSE LENGTH:** 1.0 Week      **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10%      **BACKOUT FACTOR:** 0.00

| TRAINING<br>ACTIVITY | SOURCE | ACDU/TAR<br>SELRES | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|----------------------|--------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                      |        |                    | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |
| AWSTS, NS Norfolk    |        |                    |       |     |      |     |      |     |      |     |      |     |
|                      | NAVY   | ACDU               |       | 0   |      | 0   |      | 72  |      | 72  |      | 72  |
|                      |        | TAR                |       | 0   |      | 0   |      | 11  |      | 11  |      | 11  |
|                      |        | SELRES             |       | 0   |      | 0   |      | 3   |      | 3   |      | 3   |
|                      |        | TOTAL:             |       | 0   |      | 0   |      | 86  |      | 86  |      | 86  |

**CIN, COURSE TITLE:** C-102-XXX1, Airborne Mine Neutralization System Organizational Level Maintenance  
**COURSE LENGTH:** 1.0 Week      **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10%      **BACKOUT FACTOR:** 0.00

| TRAINING<br>ACTIVITY         | SOURCE | ACDU/TAR<br>SELRES | CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |
|------------------------------|--------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
|                              |        |                    | OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |
| MTU-1031 NAMTRAU, NS Norfolk |        |                    |       |     |      |     |      |     |      |     |      |     |
|                              | NAVY   | ACDU               |       | 0   |      | 0   |      | 18  |      | 18  |      | 18  |
|                              |        | TAR                |       | 0   |      | 0   |      | 6   |      | 6   |      | 6   |
|                              |        | SELRES             |       | 0   |      | 0   |      | 1   |      | 1   |      | 1   |
|                              |        | TOTAL:             |       | 0   |      | 0   |      | 25  |      | 25  |      | 25  |

## PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AMNS therefore they are not included in Part III of this NTSP:

III.A.2. Follow-on Training

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

**PART III - TRAINING REQUIREMENTS**

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Operation and Tactics Initial Training (Pilot Course)  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Pilots  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** HM-14

| LOCATION, UIC | DATE<br>BEGIN | STUDENTS  |     | CIV                        |
|---------------|---------------|-----------|-----|----------------------------|
|               |               | OFF       | ENL |                            |
| HM-14, 53827  | April 03      | 10<br>0.1 |     | Input<br>AOB<br>Chargeable |

**ACTIVITY DESTINATIONS:** HM-15

| LOCATION, UIC | DATE<br>BEGIN | STUDENTS  |     | CIV                        |
|---------------|---------------|-----------|-----|----------------------------|
|               |               | OFF       | ENL |                            |
| HM-15, 55201  | May 03        | 10<br>0.1 |     | Input<br>AOB<br>Chargeable |

**COURSE TITLE:** AMNS Operator Initial Training  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Aircrewmen  
**COURSE LENGTH:** 10 Days  
**ACTIVITY DESTINATIONS:** HM-14

| LOCATION, UIC | DATE<br>BEGIN | STUDENTS |           | CIV                        |
|---------------|---------------|----------|-----------|----------------------------|
|               |               | OFF      | ENL       |                            |
| HM-14, 53827  | April 03      |          | 10<br>0.3 | Input<br>AOB<br>Chargeable |

**ACTIVITY DESTINATIONS:** HM-15

| LOCATION, UIC | DATE<br>BEGIN | STUDENTS |           | CIV                        |
|---------------|---------------|----------|-----------|----------------------------|
|               |               | OFF      | ENL       |                            |
| HM-15, 55201  | May 03        |          | 10<br>0.3 | Input<br>AOB<br>Chargeable |

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Organizational Level Maintenance Initial Training  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** HM-14  
 NAMTRAU, MTU 1031

| LOCATION, UIC | DATE     |     | STUDENTS |  | CIV |            |
|---------------|----------|-----|----------|--|-----|------------|
|               | BEGIN    | OFF | ENL      |  |     |            |
| HM-14, 53827  | April 03 |     | 10       |  |     | Input      |
|               |          |     | 0.1      |  |     | AOB        |
|               |          |     |          |  |     | Chargeable |

**ACTIVITY DESTINATIONS:** HM-15

| LOCATION, UIC | DATE   |     | STUDENTS |  | CIV |            |
|---------------|--------|-----|----------|--|-----|------------|
|               | BEGIN  | OFF | ENL      |  |     |            |
| HM-15, 55201  | May 03 |     | 10       |  |     | Input      |
|               |        |     | 0.1      |  |     | AOB        |
|               |        |     |          |  |     | Chargeable |

**COURSE TITLE:** AMNS Organizational Level Maintenance Initial Training Mechanical  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Technicians  
**COURSE LENGTH:** 1 Day  
**ACTIVITY DESTINATIONS:** HM-14  
 NAMTRAU, MTU 1031

| LOCATION, UIC | DATE     |     | STUDENTS |  | CIV |            |
|---------------|----------|-----|----------|--|-----|------------|
|               | BEGIN    | OFF | ENL      |  |     |            |
| HM-14, 53827  | April 03 |     | 10       |  |     | Input      |
|               |          |     | 0.1      |  |     | AOB        |
|               |          |     |          |  |     | Chargeable |

**ACTIVITY DESTINATIONS:** HM-15

| LOCATION, UIC | DATE   |     | STUDENTS |  | CIV |            |
|---------------|--------|-----|----------|--|-----|------------|
|               | BEGIN  | OFF | ENL      |  |     |            |
| HM-15, 55201  | May 03 |     | 10       |  |     | Input      |
|               |        |     | 0.1      |  |     | AOB        |
|               |        |     |          |  |     | Chargeable |

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Organizational Maintenance and Aircraft Configuration Initial Training  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Technicians  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** HM-14  
 NAMTRAU, MTU 1031

| LOCATION, UIC | DATE<br>BEGIN | STUDENTS |     | CIV |                   |
|---------------|---------------|----------|-----|-----|-------------------|
|               |               | OFF      | ENL |     |                   |
| HM-14, 53827  | April 03      |          | 10  |     | Input             |
|               |               |          | 0.1 |     | AOB<br>Chargeable |

**ACTIVITY DESTINATIONS:** HM-15

| LOCATION, UIC | DATE<br>BEGIN | STUDENTS |     | CIV |                   |
|---------------|---------------|----------|-----|-----|-------------------|
|               |               | OFF      | ENL |     |                   |
| HM-15, 55201  | May 03        |          | 10  |     | Input             |
|               |               |          | 0.1 |     | AOB<br>Chargeable |

**COURSE TITLE:** AMNS Expendable Neutralizer Inspection, Safety, and Handling  
**COURSE DEVELOPER:** DPA  
**COURSE INSTRUCTOR:** TBD  
**COURSE LENGTH:** 1 Day  
**ACTIVITY DESTINATIONS:** Station Weapons NS Norfolk  
 Station Weapons Bahrain (If Required)  
 MTU 4030  
 MTU 4032

| LOCATION, UIC     | DATE<br>BEGIN | STUDENTS |     | CIV |                   |
|-------------------|---------------|----------|-----|-----|-------------------|
|                   |               | OFF      | ENL |     |                   |
| NS Norfolk, 62688 | April 03      |          | 10  |     | Input             |
|                   |               |          | 0.1 |     | AOB<br>Chargeable |

**ACTIVITY DESTINATIONS:** Station Weapons NAS Corpus Christi  
 MCS 12 USS INCHON  
 MTU 4033  
 MTU 4035

| LOCATION, UIC             | DATE<br>BEGIN | STUDENTS |     | CIV |                   |
|---------------------------|---------------|----------|-----|-----|-------------------|
|                           |               | OFF      | ENL |     |                   |
| NAS Corpus Christi, 00216 | May 03        |          | 10  |     | Input             |
|                           |               |          | 0.1 |     | AOB<br>Chargeable |

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Tactics Initial Training  
**COURSE DEVELOPER:** TBD  
**COURSE INSTRUCTOR:** COASTSYSTA Tactics Department  
**COURSE LENGTH:** 2 Days  
**ACTIVITY DESTINATIONS:** HM-14

| LOCATION, UIC | DATE     | STUDENTS |          | CIV |                            |
|---------------|----------|----------|----------|-----|----------------------------|
|               | BEGIN    | OFF      | ENL      |     |                            |
| HM-14, 53827  | April 03 | 4<br>0.1 | 5<br>0.1 |     | Input<br>AOB<br>Chargeable |

**ACTIVITY DESTINATIONS:** HM-15  
MWTC

| LOCATION, UIC | DATE   | STUDENTS |           | CIV |                            |
|---------------|--------|----------|-----------|-----|----------------------------|
|               | BEGIN  | OFF      | ENL       |     |                            |
| HM-15, 55201  | May 03 | 8<br>0.1 | 10<br>0.1 |     | Input<br>AOB<br>Chargeable |

**COURSE TITLE:** AMNS Pre-OPEVAL Training Course  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA, Pilots and Aircrew  
**COURSE LENGTH:** 19 Days  
**ACTIVITY DESTINATIONS:** HM-14  
HM-15  
AWSTS

| LOCATION, UIC     | DATE   | STUDENTS  |           | CIV |                            |
|-------------------|--------|-----------|-----------|-----|----------------------------|
|                   | BEGIN  | OFF       | ENL       |     |                            |
| COASTSYSTA, 61331 | Oct 01 | 20<br>1.0 | 24<br>1.2 | 6   | Input<br>AOB<br>Chargeable |

**COURSE TITLE:** AMNS Pre-TECHEVAL Training Course  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** CETS  
**COURSE LENGTH:** 19 Days  
**ACTIVITY DESTINATIONS:** COASTSYSTA  
AWSTS

| LOCATION, UIC     | DATE     | STUDENTS |           | CIV |                            |
|-------------------|----------|----------|-----------|-----|----------------------------|
|                   | BEGIN    | OFF      | ENL       |     |                            |
| COASTSYSTA, 61331 | Complete | 6<br>0.3 | 30<br>1.6 | 8   | Input<br>AOB<br>Chargeable |

**III.A.2. FOLLOW-ON TRAINING**

**III.A.2.a. EXISTING COURSES**

**CIN, COURSE TITLE:** D-050-2793, MH-53E AMCM Fleet Replacement Aircrewman Category 1 Pipeline  
**TRAINING ACTIVITY:** AWSTS  
**LOCATION, UIC:** NS Norfolk, 69022

**SOURCE:** NAVY                      **STUDENT**                      ACDU - TAR

| CFY01 |      | FY02 |      | FY03 |      | FY04 |      | FY05 |      |            |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF   | ENL  | OFF  | ENL  | OFF  | ENL  | OFF  | ENL  | OFF  | ENL  |            |
|       | 82   |      | 82   |      | 82   |      | 82   |      | 82   | ATIR       |
|       | 74   |      | 74   |      | 74   |      | 74   |      | 74   | Output     |
|       | 11.2 |      | 11.2 |      | 12.9 |      | 12.9 |      | 12.9 | AOB        |
|       | 11.2 |      | 11.2 |      | 12.9 |      | 12.9 |      | 12.9 | Chargeable |

**SOURCE:** NAVY                      **STUDENT**                      SELRES

| CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |            |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |            |
|       | 3   |      | 3   |      | 3   |      | 3   |      | 3   | ATIR       |
|       | 3   |      | 3   |      | 3   |      | 3   |      | 3   | Output     |
|       | 0.4 |      | 0.4 |      | 0.5 |      | 0.5 |      | 0.5 | AOB        |
|       | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 | Chargeable |

**CIN, COURSE TITLE:** D-102-2727, AMCM Electronic/Electrical Systems Organizational/Intermediate Level Maintenance  
**TRAINING ACTIVITY:** NAMTRAU, MTU 1031  
**LOCATION, UIC:** NS Norfolk, 66046

**SOURCE:** NAVY                      **STUDENT**                      ACDU - TAR

| CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |            |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |            |
|       | 24  |      | 24  |      | 24  |      | 24  |      | 24  | ATIR       |
|       | 22  |      | 22  |      | 22  |      | 22  |      | 22  | Output     |
|       | 2.5 |      | 2.5 |      | 2.8 |      | 2.8 |      | 2.8 | AOB        |
|       | 2.5 |      | 2.5 |      | 2.8 |      | 2.8 |      | 2.8 | Chargeable |

**SOURCE:** NAVY                      **STUDENT**                      SELRES

| CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |            |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |            |
|       | 1   |      | 1   |      | 1   |      | 1   |      | 1   | ATIR       |
|       | 1   |      | 1   |      | 1   |      | 1   |      | 1   | Output     |
|       | 0.1 |      | 0.1 |      | 0.1 |      | 0.1 |      | 0.1 | AOB        |
|       | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 | Chargeable |

Note: The training tracks above indicate AMNS training impact commencing FY03.

**III.A.2.b. PLANNED COURSES**

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator  
**TRAINING ACTIVITY:** AWSTS  
**LOCATION, UIC:** NS Norfolk, 69022

**SOURCE:** NAVY      **STUDENT**      ACDU - TAR

| CFY01 |     | FY02 |     | FY03 |     | FY03 |     | FY05 |     |            |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |            |
|       | 0   |      | 0   |      | 82  |      | 82  |      | 82  | ATIR       |
|       | 0   |      | 0   |      | 74  |      | 74  |      | 74  | Output     |
|       | 0.0 |      | 0.0 |      | 1.0 |      | 1.0 |      | 1.0 | AOB        |
|       | 0.0 |      | 0.0 |      | 1.0 |      | 1.0 |      | 1.0 | Chargeable |

**SOURCE:** NAVY      **STUDENT**      SELRES

| CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |            |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |            |
|       | 0   |      | 0   |      | 3   |      | 3   |      | 3   | ATIR       |
|       | 0   |      | 0   |      | 3   |      | 3   |      | 3   | Output     |
|       | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 | AOB        |
|       | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 | Chargeable |

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Level Maintenance  
**TRAINING ACTIVITY:** NAMTRAU, MTU 1031  
**LOCATION, UIC:** NS Norfolk, 66046

**SOURCE:** NAVY      **STUDENT**      ACDU - TAR

| CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |            |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |            |
|       | 0   |      | 0   |      | 24  |      | 24  |      | 24  | ATIR       |
|       | 0   |      | 0   |      | 22  |      | 22  |      | 22  | Output     |
|       | 0.0 |      | 0.0 |      | 0.3 |      | 0.3 |      | 0.3 | AOB        |
|       | 0.0 |      | 0.0 |      | 0.3 |      | 0.3 |      | 0.3 | Chargeable |

**SOURCE:** NAVY      **STUDENT**      SELRES

| CFY01 |     | FY02 |     | FY03 |     | FY04 |     | FY05 |     |            |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF   | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL | OFF  | ENL |            |
|       | 0   |      | 0   |      | 1   |      | 1   |      | 1   | ATIR       |
|       | 0   |      | 0   |      | 1   |      | 1   |      | 1   | Output     |
|       | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 | AOB        |
|       | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 |      | 0.0 | Chargeable |

## PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the AMNS and, therefore, are not included in Part IV of this NTSP:

### IV.C. Facility Requirements

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

**PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS**

**IV.A. TRAINING HARDWARE**

**IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE**

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, (Tracks D-2C-2780, D-2C-2781)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>ITEM NUMBER</b> | <b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b> | <b>QTY REQUIRED</b> | <b>DATE REQUIRED</b> | <b>GFE CFE</b> | <b>STATUS</b> |
|--------------------|--|---------------------|----------------------|----------------|---------------|
| <b>TTE</b>         |  |                     |                      |                |               |
| 001                | Operator Control Console                         | 01                  | Apr 03               | GFE            | Pending       |
| 002                | Winch Modification Kit                           | 01                  | Apr 03               | GFE            | Pending       |
| 003                | Davit/Sheave Assembly                            | 01                  | Apr 03               | GFE            | Pending       |
| 004                | Launch Box Assembly                              | 01                  | Apr 03               | GFE            | Pending       |
| 005                | In-Water Assembly                                | 01                  | Apr 03               | GFE            | Pending       |
| 006                | A-Spool  | 01                  | Apr 03               | GFE            | Pending       |
| 007                | B-Spool  | 01                  | Apr 03               | GFE            | Pending       |

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher, (Tracks D-2C-2784, D-2C-2787)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>ITEM NUMBER</b> | <b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b> | <b>QTY REQUIRED</b> | <b>DATE REQUIRED</b> | <b>GFE CFE</b> | <b>STATUS</b> |
|--------------------|--|---------------------|----------------------|----------------|---------------|
| <b>TTE</b>         |  |                     |                      |                |               |
| 001                | Operator Control Console                         | 01                  | Apr 03               | GFE            | Pending       |
| 002                | Winch Modification Kit                           | 01                  | Apr 03               | GFE            | Pending       |
| 003                | Davit/Sheave Assembly                            | 01                  | Apr 03               | GFE            | Pending       |
| 004                | Launch Box Assembly                              | 01                  | Apr 03               | GFE            | Pending       |
| 005                | In-Water Assembly                                | 01                  | Apr 03               | GFE            | Pending       |
| 006                | A-Spool  | 01                  | Apr 03               | GFE            | Pending       |
| 007                | B-Spool  | 01                  | Apr 03               | GFE            | Pending       |

**IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE**

**CIN, COURSE TITLE:** D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1, (Track D-050-2793)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| ITEM NUMBER | EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS | QTY REQUIRED | DATE REQUIRED | GFE CFE | STATUS  |
|-------------|---|--------------|---------------|---------|---------|
| <b>TTE</b>  |   |              |               |         |         |
| 001         | Operator Control Console                  | 01           | Apr 03        | GFE     | Pending |
| 002         | Winch Modification Kit                    | 01           | Apr 03        | GFE     | Pending |
| 003         | Davit/Sheave Assembly                     | 01           | Apr 03        | GFE     | Pending |
| 004         | Launch Box Assembly                       | 01           | Apr 03        | GFE     | Pending |
| 005         | In-Water Assembly with cradle             | 01           | Apr 03        | GFE     | Pending |
| 006         | A-Spool with cable                        | 01           | Apr 03        | GFE     | Pending |
| 007         | B-Spool with cable                        | 01           | Apr 03        | GFE     | Pending |
| 008         | Bar, Transport, Neutralizer               | 01           | Apr 03        | GFE     | Pending |
| <b>ST</b>   |   |              |               |         |         |
| 001         | Actuator, Magnetic, Neutralizer           | 01           | Apr 03        | GFE     | Pending |

**CIN, COURSE TITLE:** D-050-2732, MH-53E AMCM Fleet Replacement Aircrewman Category 3, (Track D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| ITEM NUMBER | EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS | QTY REQUIRED | DATE REQUIRED | GFE CFE | STATUS  |
|-------------|---|--------------|---------------|---------|---------|
| <b>TTE</b>  |   |              |               |         |         |
| 001         | Operator Control Console                  | 01           | Apr 03        | GFE     | Pending |
| 002         | Winch Modification Kit                    | 01           | Apr 03        | GFE     | Pending |
| 003         | Davit/Sheave Assembly                     | 01           | Apr 03        | GFE     | Pending |
| 004         | Launch Box Assembly                       | 01           | Apr 03        | GFE     | Pending |
| 005         | In-Water Assembly                         | 01           | Apr 03        | GFE     | Pending |
| 006         | A-Spool                                   | 01           | Apr 03        | GFE     | Pending |
| 007         | B-Spool                                   | 01           | Apr 03        | GFE     | Pending |
| 008         | Bar, Transport, Neutralizer               | 01           | Apr 03        | GFE     | Pending |
| <b>ST</b>   |   |              |               |         |         |
| 001         | Actuator, Magnetic, Neutralizer           | 01           | Apr 03        | GFE     | Pending |

**IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE**

**CIN, COURSE TITLE:** D-050-2799, MH-53E AMCM Aircrewman Instructor Under Training

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| ITEM NUMBER | EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS | QTY REQUIRED | DATE REQUIRED | GFE CFE | STATUS  |
|-------------|---|--------------|---------------|---------|---------|
| <b>TTE</b>  |   |              |               |         |         |
| 001         | Operator Control Console                  | 01           | Apr 03        | GFE     | Pending |
| 002         | Winch Modification Kit                    | 01           | Apr 03        | GFE     | Pending |
| 003         | Davit/Sheave Assembly                     | 01           | Apr 03        | GFE     | Pending |
| 004         | Launch Box Assembly                       | 01           | Apr 03        | GFE     | Pending |
| 005         | In-Water Assembly                         | 01           | Apr 03        | GFE     | Pending |
| 006         | A-Spool                                   | 01           | Apr 03        | GFE     | Pending |
| 007         | B-Spool                                   | 01           | Apr 03        | GFE     | Pending |
| 008         | Bar, Transport, Neutralizer               | 01           | Apr 03        | GFE     | Pending |
| <b>ST</b>   |   |              |               |         |         |
| 001         | Actuator, Magnetic, Neutralizer           | 01           | Apr 03        | GFE     | Pending |

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator, (Tracks D-050-2793, D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| ITEM NUMBER | EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS | QTY REQUIRED | DATE REQUIRED | GFE CFE | STATUS  |
|-------------|---|--------------|---------------|---------|---------|
| <b>TTE</b>  |   |              |               |         |         |
| 1           | Operator Control Console                  | 01           | Apr 03        | GFE     | Pending |

**CIN, COURSE TITLE:** C-647-9456, MH-53E AMCM Organizational Maintenance (Stand Alone)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| ITEM NUMBER | EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS | QTY REQUIRED | DATE REQUIRED | GFE CFE | STATUS  |
|-------------|---|--------------|---------------|---------|---------|
| <b>TTE</b>  |   |              |               |         |         |
| 001         | Operator Control Console                  | 01           | Apr 03        | GFE     | Pending |
| 002         | Winch Modification Kit                    | 01           | Apr 03        | GFE     | Pending |
| 003         | Davit/Sheave Assembly                     | 01           | Apr 03        | GFE     | Pending |
| 004         | Launch Box Assembly                       | 01           | Apr 03        | GFE     | Pending |
| 005         | In-Water Assembly                         | 01           | Apr 03        | GFE     | Pending |

**IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE**

| <b>ITEM NUMBER</b> | <b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b> | <b>QTY REQUIRED</b> | <b>DATE REQUIRED</b> | <b>GFE CFE</b> | <b>STATUS</b> |
|--------------------|--|---------------------|----------------------|----------------|---------------|
| 006                | A-Spool  | 01                  | Apr 03               | GFE            | Pending       |
| 007                | B-Spool  | 01                  | Apr 03               | GFE            | Pending       |
| 008                | Bar, Transport, Neutralizer                      | 01                  | Apr 03               | GFE            | Pending       |
| 009                | Cradle, Neutralizer Preparation                  | 01                  | Apr 03               | GFE            | Pending       |
| <b>ST</b>          |  |                     |                      |                |               |
| 001                | Actuator, Magnetic, Neutralizer                  | 01                  | Apr 03               | GFE            | Pending       |
| 002                | Adapter, Neutralizer Cradle                      | 01                  | Apr 03               | GFE            | Pending       |
| 003                | Bar, Transport, Neutralizer                      | 01                  | Apr 03               | GFE            | Pending       |
| 004                | Cradle, Neutralizer Preparation                  | 01                  | Apr 03               | GFE            | Pending       |
| 005                | Grip, Kline                                      | 01                  | Apr 03               | GFE            | Pending       |
| 006                | Reel, Cleaning, Fiber Optic                      | 01                  | Apr 03               | GFE            | Pending       |
| 007                | Strap, Grounding, LBA/Neutralizer (21")          | 01                  | Apr 03               | GFE            | Pending       |
| 008                | Strap, Grounding, Neutralizer-Canister (7.5")    | 01                  | Apr 03               | GFE            | Pending       |
| 009                | Strap, Tie Down (80")                            | 01                  | Apr 03               | GFE            | Pending       |
| 010                | Tool, Neutralizer Trim Weight                    | 01                  | Apr 03               | GFE            | Pending       |
| 011                | Unit, Air Filling, Neutralizer                   | 01                  | Apr 03               | GFE            | Pending       |
| <b>SPETE</b>       |  |                     |                      |                |               |
| 001                | Cable, IWA Test                                  | 01                  | Apr 03               | GFE            | Pending       |
| 002                | Computer, Laptop, IWA Test                       | 01                  | Apr 03               | GFE            | Pending       |
| 003                | Test Set, Optical Power                          | 01                  | Apr 03               | GFE            | Pending       |

**IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE**

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Maintenance, (Track D-102-2727)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| <b>ITEM NUMBER</b> | <b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b> | <b>QTY REQUIRED</b> | <b>DATE REQUIRED</b> | <b>GFE CFE</b> | <b>STATUS</b> |
|--------------------|--|---------------------|----------------------|----------------|---------------|
| <b>TTE</b>         |  |                     |                      |                |               |
| 001                | Operator Control Console                         | 01                  | Apr 03               | GFE            | Pending       |
| 002                | Winch Modification Kit                           | 01                  | Apr 03               | GFE            | Pending       |
| 003                | In-Water Assembly                                | 01                  | Apr 03               | GFE            | Pending       |
| 004                | A-Spool  | 01                  | Apr 03               | GFE            | Pending       |
| 005                | B-Spool  | 01                  | Apr 03               | GFE            | Pending       |
| 006                | Bar, Transport, Neutralizer                      | 01                  | Apr 03               | GFE            | Pending       |
| <b>ST</b>          |  |                     |                      |                |               |
| 001                | Actuator, Magnetic, Neutralizer                  | 01                  | Apr 03               | GFE            | Pending       |
| 002                | Charger, Battery, Neutralizer                    | 01                  | Apr 03               | GFE            | Pending       |
| 003                | Unit, Air Filling, Nickel Cadmium                | 01                  | Apr 03               | GFE            | Pending       |

**CIN, COURSE TITLE:** C-601-9448, MK-105 Power Plants and Related Organizational Maintenance, (Track D-601-2717)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| <b>ITEM NUMBER</b> | <b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b> | <b>QTY REQUIRED</b> | <b>DATE REQUIRED</b> | <b>GFE CFE</b> | <b>STATUS</b> |
|--------------------|--|---------------------|----------------------|----------------|---------------|
| <b>TTE</b>         |  |                     |                      |                |               |
| 001                | Davit/Sheave Assembly                            | 01                  | Apr 03               | GFE            | Pending       |
| 002                | Launch Box Assembly                              | 01                  | Apr 03               | GFE            | Pending       |
| 003                | Bar, Transport, Neutralizer                      | 01                  | Apr 03               | GFE            | Pending       |
| 004                | Cradle, Neutralizer Preparation                  | 01                  | Apr 03               | GFE            | Pending       |

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Training Neutralizer (I-version)  
**DESCRIPTION:** The Neutralizer is a self-propelled, remotely controlled vehicle that incorporates sensors needed to relocate and identify a mine target. Additionally, the Neutralizer transmits (real time) information to a console in the aircraft, via fiber optic cable, providing video and sonar information to the operator. The device is similar to the Expendable Neutralizer although it is reusable and does not contain an explosive charge. This device will be used to train operators in deployment procedures and utilization of the Neutralizer to detect and neutralize moored and bottom mines. Additionally the device will support training for maintenance personnel in the handling and maintaining of a Neutralizer without having to actually handle the Expendable Neutralizer.

**MANUFACTURER:** STN ATLAS  
**CONTRACT NUMBER:** N00024-99-9-6311  
**TEE STATUS:** TBD

**TRAINING ACTIVITY:** COASTSYSTA, AWSTS, MTU 1031, MTU 4032, MTU 4030, MTU 4035, and MTU 4033  
**LOCATION, UIC:** Panama City, FL, 61331, NS Norfolk, VA, 69022, NS Norfolk, VA, 66046, NS Norfolk, 66046, NS Mayport, 39470, NAS Whidbey Island, 39474, and NAS North Island, 39476

| QTY REQD | DATE REQD | RFT DATE | STATUS  | COURSES SUPPORTED  |
|----------|-----------|----------|---------|--|
| 20       | Jan 01    | Jan 01   | Onboard | TECHEVAL   |
| 10       | Sep 01    | Sep 01   | Pending | OPEVAL   |
| 02       | Apr 03    | Jun 03   | Pending | D-2C-2762<br>D-2C-2763<br>D-050-2709<br>D-050-2732<br>D-050-2799<br>D-050-XXX1<br>C-647-9456<br>C-102-XXX1<br>C-646-4108 |
| 04       |           |          |         |  |
| TBD      | Apr 03    | Apr 03   | Pending | HM-14 Operational Training   |
| TBD      | Apr 03    | May 03   | Pending | HM-15 Operational Training   |

Note: Functional requirements for the training Neutralizers identified to support C-646-4108, Air Launched Weapons Ordnance Supervisor course are currently under review by NAMTRA Head Quarters, Air Launch Weapons Branch.

Note: The Training Neutralizers assigned to the TAs will be shipped to the OEM for repairs.

#### IV.B. COURSEWARE REQUIREMENTS

##### IV.B.1 TRAINING SERVICES

| COURSE/TYPE OF TRAINING   | SCHOOL LOCATION, UIC                 | NO. OF PERSONNEL | MAN WEEKS REQUIRED | DATE BEGIN |
|---|--------------------------------------|------------------|--------------------|------------|
| AMNS Pre-TECHEVAL Training Course                                 | NSWCCSS<br>Panama City<br>61331      | 2                | 4                  | Complete   |
| AMNS Pre-OPEVAL Training Course                                   | NSWCCSS<br>Panama City<br>61331      | 2                | 4                  | Oct 01     |
| AMNS Operation and Tactics Initial Training Course (Pilot)        | HM-14<br>NS Norfolk<br>53827         | 1                | 1                  | Apr 03     |
| AMNS Operation and Tactics Initial Training Course (Pilot)        | HM-15<br>NAS Corpus Christi<br>55201 | 1                | 1                  | May 03     |
| AMNS Operator Initial Training                                    | HM-14<br>NS Norfolk<br>53827         | 2                | 3.2                | Apr 03     |
| AMNS Operator Initial Training                                    | HM-15<br>NAS Corpus Christi<br>55201 | 2                | 3.2                | May 03     |
| AMNS Tactics Initial Training                                     | HM-14<br>NS Norfolk<br>53827         | 2                | 0.8                | Apr 03     |
| AMNS Tactics Initial Training                                     | HM-15<br>NAS Corpus Christi<br>55201 | 2                | 0.8                | May 03     |
| AMNS Organizational Level Maintenance Initial Training            | HM-14<br>NS Norfolk<br>53827         | 2                | 2                  | Apr 03     |
| AMNS Organizational Level Maintenance Initial Training            | HM-15<br>NAS Corpus Christi<br>55201 | 2                | 2                  | May 03     |
| AMNS Organizational Level Maintenance Initial Training Mechanical | HM-14<br>NS Norfolk<br>53827         | 2                | 0.4                | Apr 03     |
| AMNS Organizational Level Maintenance Initial Training Mechanical | HM-15<br>NAS Corpus Christi<br>55201 | 2                | 0.4                | May 03     |

#### IV.B. COURSEWARE REQUIREMENTS

##### IV.B.1 TRAINING SERVICES

| COURSE/TYPE<br>OF TRAINING   | SCHOOL<br>LOCATION, UIC                        | NO. OF<br>PERSONNEL | MAN WEEKS<br>REQUIRED | DATE<br>BEGIN |
|--|--|---------------------|-----------------------|---------------|
| AMNS Organizational Level Maintenance<br>and Aircraft Configuration Initial Training | HM-14<br>NS Norfolk<br>53827                   | 2                   | 2                     | Apr 03        |
| AMNS Organizational Level Maintenance<br>and Aircraft Configuration Initial Training | HM-15<br>NAS Corpus Christi<br>55201           | 2                   | 2                     | May 03        |
| AMNS Expendable Neutralizer Inspection,<br>Safety, Handling, and Storage             | Station Weapons<br>NS Norfolk<br>62688         | 2                   | 0.4                   | Apr 03        |
| AMNS Expendable Neutralizer Inspection,<br>Safety, Handling, and Storage             | Station Weapons<br>NAS Corpus Christi<br>00216 | 2                   | 0.4                   | May 03        |

**IV.B. COURSEWARE REQUIREMENTS**

**IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, (Tracks D-2C-2780, D-2C-2781)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>TYPES OF MATERIAL OR AID</b>    | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|------------------------------------|---------------------|----------------------|---------------|
| System Familiarization Segment CBT | 01                  | Apr 03               | Development   |
| Stream Segment CBT                 | 01                  | Apr 03               | Development   |
| Neutralization Segment CBT         | 01                  | Apr 03               | Development   |
| Recovery Segment CBT               | 01                  | Apr 03               | Development   |

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher, (Tracks D-2C-2784, D-2C-2787)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>TYPES OF MATERIAL OR AID</b>    | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|------------------------------------|---------------------|----------------------|---------------|
| System Familiarization Segment CBT | 01                  | Apr 03               | Development   |
| Stream Segment CBT                 | 01                  | Apr 03               | Development   |
| Neutralization Segment CBT         | 01                  | Apr 03               | Development   |
| Recovery Segment CBT               | 01                  | Apr 03               | Development   |

**CIN, COURSE TITLE:** D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1, (Tracks D-050-2793)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>TYPES OF MATERIAL OR AID</b>    | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|------------------------------------|---------------------|----------------------|---------------|
| System Familiarization Segment CBT | 01                  | Apr 03               | Development   |
| Pre-launch Segment CBT             | 01                  | Apr 03               | Development   |
| Stream Segment CBT                 | 01                  | Apr 03               | Development   |
| Recovery Segment CBT               | 01                  | Apr 03               | Development   |

**CIN, COURSE TITLE:** D-050-2732, MH-53E AMCM Fleet Replacement Aircrewman Category 3, (Track D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>TYPES OF MATERIAL OR AID</b>    | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|------------------------------------|---------------------|----------------------|---------------|
| System Familiarization Segment CBT | 01                  | Apr 03               | Development   |
| Pre-launch Segment CBT             | 01                  | Apr 03               | Development   |
| Stream Segment CBT                 | 01                  | Apr 03               | Development   |
| Recovery Segment CBT               | 01                  | Apr 03               | Development   |

**CIN, COURSE TITLE:** D-050-2799, MH-53E AMCM Aircrewman Instructor Under Training

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>TYPES OF MATERIAL OR AID</b>    | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|------------------------------------|---------------------|----------------------|---------------|
| System Familiarization Segment CBT | 01                  | Apr 03               | Development   |
| Pre-launch Segment CBT             | 01                  | Apr 03               | Development   |
| Stream Segment CBT                 | 01                  | Apr 03               | Development   |
| Recovery Segment CBT               | 01                  | Apr 03               | Development   |

**IV.B. COURSEWARE REQUIREMENTS**

**IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator, (Tracks D-050-2793, D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| <b>TYPES OF MATERIAL OR AID</b>    | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|------------------------------------|---------------------|----------------------|---------------|
| System Familiarization Segment CBT | 01                  | Apr 03               | Development   |
| Preflight CBT                      | 01                  | Apr 03               | Development   |
| In-Flight – Mission CBT            | 01                  | Apr 03               | Development   |

**CIN, COURSE TITLE:** C-647-9456, MH-53E AMCM Organizational Maintenance, (Stand Alone)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| <b>TYPES OF MATERIAL OR AID</b> | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|---------------------------------|---------------------|----------------------|---------------|
| Instructor Guide                | TBD                 | Apr 03               | Pending       |
| Student Guide,                  | TBD                 | Apr 03               | Pending       |
| Student Tests                   | TBD                 | Apr 03               | Pending       |
| Transparencies                  | TBD                 | Apr 03               | Pending       |

**CIN, COURSE TITLE:** C-601-9448, MK-105 Power Plants Organizational Maintenance, (Track D-601-2717)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| <b>TYPES OF MATERIAL OR AID</b> | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|---------------------------------|---------------------|----------------------|---------------|
| Instructor Guide                | TBD                 | Apr 03               | Pending       |
| Student Guide,                  | TBD                 | Apr 03               | Pending       |
| Student Tests                   | TBD                 | Apr 03               | Pending       |
| Transparencies                  | TBD                 | Apr 03               | Pending       |

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Maintenance, (Track D-102-2727)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| <b>TYPES OF MATERIAL OR AID</b> | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|---------------------------------|---------------------|----------------------|---------------|
| Instructor Guide                | TBD                 | Apr 03               | Pending       |
| Student Guide,                  | TBD                 | Apr 03               | Pending       |
| Student Tests                   | TBD                 | Apr 03               | Pending       |
| Transparencies                  | TBD                 | Apr 03               | Pending       |

**CIN, COURSE TITLE:** C-646-4108, Air Launched Weapons Ordnance Supervisor, (Track D/E-646-7007)

**TRAINING ACTIVITY:** NAMTRAU, MTU 4032, MTU 4030, MTU 4035, MTU 4033

**LOCATION, UIC:** NS Norfolk, 66046, NS Mayport, 39470, NAS Whidbey Island, 39474, NAS North Island, 39476

| <b>TYPES OF MATERIAL OR AID</b>        | <b>QTY<br/>REQD</b> | <b>DATE<br/>REQD</b> | <b>STATUS</b> |
|--|---------------------|----------------------|---------------|
| Instructor Guide                       | 01                  | Apr 03               | Development   |
| Student Guide                          | 01                  | Apr 03               | Development   |
| Student Tests                          | 01                  | Apr 03               | Development   |
| Instructor Mediated Lecture PowerPoint | 01                  | Apr 03               | Development   |

#### **IV.B. COURSEWARE REQUIREMENTS**

##### **IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

Operator and maintenance (ordnance) course curricula material that is currently under development will be delivered and utilized to support OPEVAL training. This material will be revised as required to reflect any changes identified during OPEVAL and utilized to conduct initial instructor/cadre training. This course material will be delivered to the TAs in their format to support meeting the AMNS course RFT dates. The course material currently under development is posted on the H-53 Training Web Site <http://www.h53-training.com/> (password protected) for government review. The final course material will be posted on this site.

**IV.B.3. TECHNICAL MANUALS**

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, (Tracks D-2C-2780, D-2C-2781)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| TECHNICAL MANUAL NUMBER / TITLE  | MEDIUM    | QTY REQD | DATE REQD | STATUS    |
|--|-----------|----------|-----------|-----------|
| A1-H53ME-NFM-000<br>NATOPS Flight Manual, MH-53E Helicopters           | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-100<br>NATOPS Flight Manual, MH-53E Helicopters           | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-500<br>NATOPS Pilots Pocket Checklist, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher, (Tracks D-2C-2784, D-2C-2787)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| TECHNICAL MANUAL NUMBER / TITLE  | MEDIUM    | QTY REQD | DATE REQD | STATUS    |
|--|-----------|----------|-----------|-----------|
| A1-H53ME-NFM-000<br>NATOPS Flight Manual, MH-53E Helicopters           | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-100<br>NATOPS Flight Manual, MH-53E Helicopters           | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-500<br>NATOPS Pilots Pocket Checklist, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |

**CIN, COURSE TITLE:** D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1, (Track D-050-2793)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| TECHNICAL MANUAL NUMBER / TITLE                              | MEDIUM    | QTY REQD | DATE REQD | STATUS    |
|--|-----------|----------|-----------|-----------|
| A1-H53ME-NFM-000<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-100<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-900<br>MH-53E NATOPS Aircrew Pocket Checklist   | Hard copy | 12       | Apr 03    | * Pending |

**IV.B.3. TECHNICAL MANUALS**

**CIN, COURSE TITLE:** D-050-2732, MH-53E AMCM Fleet Replacement Aircrewman Category 3, (Track D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| TECHNICAL MANUAL NUMBER / TITLE                              | MEDIUM    | QTY REQD | DATE REQD | STATUS    |
|--|-----------|----------|-----------|-----------|
| A1-H53ME-NFM-000<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-100<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-900<br>MH-53E NATOPS Aircrew Pocket Checklist   | Hard copy | 12       | Apr 03    | * Pending |

**CIN, COURSE TITLE:** D-050-2799, MH-53E AMCM Aircrewman Instructor Under Training

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| TECHNICAL MANUAL NUMBER / TITLE                              | MEDIUM    | QTY REQD | DATE REQD | STATUS    |
|--|-----------|----------|-----------|-----------|
| A1-H53ME-NFM-000<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-100<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-900<br>MH-53E NATOPS Aircrew Pocket Checklist   | Hard copy | 12       | Apr 03    | * Pending |

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator, (Tracks D-050-2793, D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

| TECHNICAL MANUAL NUMBER / TITLE                              | MEDIUM    | QTY REQD | DATE REQD | STATUS    |
|--|-----------|----------|-----------|-----------|
| A1-H53ME-NFM-000<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-100<br>NATOPS Flight Manual, MH-53E Helicopters | Hard copy | 12       | Apr 03    | * Pending |
| A1-H53ME-NFM-900<br>MH-53E NATOPS Aircrew Pocket Checklist   | Hard copy | 12       | Apr 03    | * Pending |

\* Changes to the flight manuals identified above will be submitted to the Model Manager for final approval and incorporation upon completion of their evaluation/validation performed at OPEVAL. NAVSURFWARCEN COASTSYSTA will provide the Model Manager with the most current procedures for review prior to TECHEVAL and OPEVAL.

**IV.B.3. TECHNICAL MANUALS**

**CIN, COURSE TITLE:** C-647-9456, MH-53E AMCM Organizational Maintenance, (Stand Alone per June 01 MTRR)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| TECHNICAL MANUAL NUMBER / TITLE  | MEDIUM | QTY REQD | DATE REQD | STATUS    |
|--|--------|----------|-----------|-----------|
| NAVAIR XX-X-XXX<br>AMNS, Organizational Maintenance, Illustrated Parts Breakdown, and Operating Procedures | ETM-CD | TBD      | Apr 03    | * Pending |

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Maintenance, (Track D-102-2727)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| TECHNICAL MANUAL NUMBER / TITLE  | MEDIUM | QTY REQD | DATE REQD | STATUS    |
|--|--------|----------|-----------|-----------|
| NAVAIR XX-X-XXX<br>AMNS, Organizational Maintenance, Illustrated Parts Breakdown, and Operating Procedures | ETM-CD | TBD      | Apr 03    | * Pending |

**CIN, COURSE TITLE:** C-102-XXX2, C-601-9448, MK-105 Power Plants and Related Organizational Maintenance, (Track D-601-2717)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

| TECHNICAL MANUAL NUMBER / TITLE  | MEDIUM | QTY REQD | DATE REQD | STATUS    |
|--|--------|----------|-----------|-----------|
| NAVAIR XX-X-XXX<br>AMNS, Organizational Maintenance, Illustrated Parts Breakdown, and Operating Procedures | ETM-CD | TBD      | Apr 03    | * Pending |

**CIN, COURSE TITLE:** C-646-4108, Air Launched Weapons Ordnance Supervisor, (Track D/E-646-7007)

**TRAINING ACTIVITY:** NAMTRAU: MTU 4032, MTU 4030, MTU 4035, MTU 4033

**LOCATION, UIC:** NS Norfolk, 66046, NS Mayport, 39470, NAS Whidbey Island, 39474, NAS North Island, 39476

| TECHNICAL MANUAL NUMBER / TITLE | MEDIUM | QTY REQD | DATE REQD | STATUS |
|---------------------------------|--------|----------|-----------|--------|
| TBD                             | TBD    | TBD      | TBD       | TBD    |

\* The contractor, to support TECHEVAL and OPEVAL has delivered to NAVSURFWARCEN COASTSYSTA a Draft COTS/NDI TM supporting O-Level maintenance, Illustrated Parts Breakdown, and Operating Procedures. Electronic Technical Manuals will be delivered to training and fleet activities to support system deliveries and training requirements.

#### **IV.C. FACILITY REQUIREMENTS**

##### **IV.C.1. FACILITY REQUIREMENTS SUMMARY (SPACE/SUPPORT) BY ACTIVITY**

In March 2001 a meeting was held with AMNS program logistics personnel, PMA-205, AWSTS and NAMTRAU representatives to discuss and identify TD, TTE, and facility requirements. Based on the results of this meeting it is anticipated that no additional training facilities will be required. A detailed facility analysis if required will be performed during LRIP. Findings will be added to future updates of this NTSP.

**PART V - MPT MILESTONES**

| <b>COG CODE</b> | <b>MPT MILESTONES</b>   | <b>DATE</b> | <b>STATUS</b>                           |
|-----------------|---|-------------|---|
| DA              | Conducted analysis of manpower personnel, and training requirements | 01/99       | Completed                               |
| TSA             | Conducted Initial Training for TECHEVAL                             | 05/00       | Completed                               |
| TSA             | Conduct refresher Initial Training for TECHEVAL                     | 01/01       | Completed                               |
| DA              | Distribute Preliminary Draft NTSP                                   | 01/01       | Completed                               |
| DA              | Begin TECHEVAL  | 05/01       | Commenced                               |
| OPO             | Chair NTSPC and issue minutes and action items that result          | 07/01       | Not required based on comments received |
| OPO             | Approve and issue NTSP  | 10/01       | Completed                               |
| TSA             | Begin Initial Training for OPEVAL                                   | 10/01       | Pending                                 |
| OPTEVFOR        | Begin OPEVAL  | 10/01       | Pending                                 |
| DA              | AMNS Fleet Delivery HM-14 and HM-15                                 | 04/03       | Pending                                 |
| TSA             | Commence Initial Training (Instructor/Cadre) HM-14                  | 04/03       | Pending                                 |
| TSA             | Deliver Curricula Materials/Technical Manuals                       | 04/03       | Pending                                 |
| TSA             | Deliver TDs, TTE AWSTS  | 04/03       | Pending                                 |
| TSA             | Deliver TDs TTE NAMTRAU   | 04/03       | Pending                                 |
| TSA             | Commence Initial Training (Instructor/Cadre) HM-15                  | 05/03       | Pending                                 |
| TSA             | Install TDs, TTE AWSTS  | 05/03       | Pending                                 |
| TSA             | Install TDs, TTE NAMTRAU  | 05/03       | Pending                                 |
| TA              | Commence Follow-on Training (Operator, Maintenance, and Tactics)    | 06/03       | Pending                                 |

**PART VI - DECISION ITEMS/ACTION REQUIRED**

**DECISION ITEM OR  
ACTION REQUIRED**

**COMMAND ACTION**

**DUE DATE**

**STATUS**

No Decision Items or Actions Pending

PART VII - POINTS OF CONTACT

| NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL  | TELEPHONE NUMBERS   |
|--|---|
| <b>CAPT Owen Fletcher</b><br>Head, Plans, Policy, and Fleet Maintenance Support<br>CNO, N781B<br>fletcher.owen@hq.navy.mil | <b>COMM:</b> (703) 604-7747<br><b>DSN:</b> 664-7747<br><b>FAX:</b> (703) 604-6972 |
| <b>CAPT Dan Bell</b><br>Helicopter Coordinator, Naval Air Reserve<br>CNO, N78R2<br>bell.d@hq.navy.mil                      | <b>COMM:</b> (703) 604-7728<br><b>DSN:</b> 664-7726<br><b>FAX:</b> (703) 604-6969 |
| <b>CAPT Terry Merritt</b><br>Head, Aviation Technical Training Section<br>CNO, N789H<br>Merritt.terry@hq.navy.mil          | <b>COMM:</b> (703) 604-7730<br><b>DSN:</b> 664-7730<br><b>FAX:</b> (703) 604-6969 |
| <b>LCDR Scott Stroble</b><br>Training Requirements Officer<br>CNO, N789F3<br>stroble.scott@hq.navy.mil                     | <b>COMM:</b> (703) 604-7721<br><b>DSN:</b> 664-7721<br><b>FAX:</b> (703) 604-6939 |
| <b>MGYSGT Kevin Thomas</b><br>Helicopter Training Requirements<br>CNO, N789H2<br>thomas.kevin2@hq.navy.mil                 | <b>COMM:</b> (703) 604-7762<br><b>DSN:</b> 664-7762<br><b>FAX:</b> (703) 604-6969 |
| <b>AZCS Gary Greenlee</b><br>NTSP Manager<br>CNO, N789H1A<br>greenlee.gary@hq.navy.mil                                     | <b>COMM:</b> (703) 604-7743<br><b>DSN:</b> 664-7743<br><b>FAX:</b> (703) 604-6939 |
| <b>CDR Kevin Neary</b><br>Aviation Manpower<br>CNO, N122C1<br>n122c1@bupers.navy.mil                                       | <b>COMM:</b> (703) 695-3247<br><b>DSN:</b> 225-3247<br><b>FAX:</b> (703) 614-5308 |
| <b>Mr. Robert Zweibel</b><br>Training Policy<br>CNO, N795K<br>zweibel.robert@hq.navy.mil                                   | <b>COMM:</b> (703) 614-1344<br><b>DSN:</b> 224-1344<br><b>FAX:</b> (703) 693-4978 |
| <b>AWCM J. Cook</b><br>Aircrew Training Requirements<br>CNO, N789F6<br>cookj@hq.navy.mil                                   | <b>COMM:</b> (703) 604-7708<br><b>DSN:</b> 664-7708<br><b>FAX:</b> (703) 604-6939 |
| <b>CAPT Thomas Davilli</b><br>Head, Mine Warfare Branch<br>CNO, N752<br>Davilli.thomas@hq.navy.mil                         | <b>COMM:</b> (703) 695-0574<br><b>DSN:</b> 224-0574<br><b>FAX:</b> (703) 697-3808 |

**PART VII - POINTS OF CONTACT**

| <b>NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL</b>   | <b>TELEPHONE NUMBERS</b>   |
|--|--|
| <b>LCDR George Parisi</b><br>AMCM Requirements Officer<br>CNO, N752E<br>parisi.george@hq.navy.mil                              | <b>COMM:</b> (703) 695-0574<br><b>DSN:</b> 224-0574<br><b>FAX:</b> (703) 697-3808          |
| <b>CAPT Vito Jimenez</b><br>Program Manager<br>NAVSEASYSKOM, PMS210<br>jimenezvw@navsea.navy.mil                               | <b>COMM:</b> (202) 781-4376<br><b>DSN:</b> 781-4376<br><b>FAX:</b> (202) 781-4696          |
| <b>Ms. Sandra Kraft</b><br>Assistant Program Manager<br>NAVSEASYSKOM, PMS210<br>kraftsl@navsea.navy.mil                        | <b>COMM:</b> (202) 781-4460<br><b>DSN:</b> 781-4460<br><b>FAX:</b> (202) 781-4696          |
| <b>Mr. Roger Kotulak</b><br>Deputy Assistant Program Manager Logistics<br>NAVSEASYSKOM, PMS210<br>kotulakrl@navsea.navy.mil    | <b>COMM:</b> (202) 781-4459<br><b>DSN:</b> 781-4459<br><b>FAX:</b> (202) 781-4696          |
| <b>Paul Bogner</b><br>Deputy MH-53E Program Manager<br>NAVAIRSYSKOM, PMA261<br>bognerpd@navair.navy.mil                        | <b>COMM:</b> (301) 757-5784<br><b>DSN:</b> 757-5784<br><b>FAX:</b> (301) 757-5109          |
| <b>CAPT William Shannon</b><br>Program Manager, Multi-Mission Helicopter<br>NAVAIRSYSKOM, PMA299<br>shannonwe@navair.navy.mil  | <b>COMM:</b> (301) 757-5409<br><b>DSN:</b> 757-5409<br><b>FAX:</b> (301) 757-5437          |
| <b>Mr. William Laray</b><br>Assistant Program Manager (Training Systems)<br>NAVAIRSYSKOM, PMA205-2B<br>laraywr@navair.navy.mil | <b>COMM:</b> (301) 757-8099<br><b>DSN:</b> 757-8099<br><b>FAX:</b> (301) 757-8079          |
| <b>CDR Robin Mason</b><br>Aviation NTSP Point of Contact<br>CINCLANTFLT, N-721<br>masonrf@clf.navy.mil                         | <b>COMM:</b> (757) 836-0101<br><b>DSN:</b> 836-0101<br><b>FAX:</b> (757) 836-0141          |
| <b>Mr. Bob Long</b><br>Deputy Director of Training<br>CINCPACFLT, N70<br>U70@cpf.navy.mil                                      | <b>COMM:</b> (808) 471-8513<br><b>DSN:</b> 471-8513<br><b>FAX:</b> (808) 471-8596          |
| <b>LT Darren Skinner</b><br>AMCM Officer<br>COMHELTACWINGLANT<br>skinnerdj@chtwl.navy.mil                                      | <b>COMM:</b> (757) 444-1842 ext. 355<br><b>DSN:</b> 564-1842<br><b>FAX:</b> (757) 444-4460 |

**PART VII - POINTS OF CONTACT**

| <b>NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL</b>  | <b>TELEPHONE NUMBERS</b>   |
|---|--|
| <p><b>CAPT Patricia Huiatt</b><br/>Deputy Assistant, Chief of Naval Personnel for Distribution<br/>NAVPERSCOM, PERS 4B<br/>p4b@persnet.navy.mil</p> | <p><b>COMM:</b> (901) 874-3529<br/><b>DSN:</b> 882-3529<br/><b>FAX:</b> (901) 874-2606</p>                 |
| <p><b>CDR Timothy Ferree</b><br/>Branch Head, Aviation Enlisted Assignments<br/>NAVPERSCOM, PERS 404<br/>p404@persnet.navy.mil</p>                  | <p><b>COMM:</b> (901) 874-3691<br/><b>DSN:</b> 882-3691<br/><b>FAX:</b> (901) 874-2624</p>                 |
| <p><b>CDR Scott Gingery</b><br/>Aviation Department Head<br/>NAVMAC, Code 30<br/>scott.gingery@navmac.navy.mil</p>                                  | <p><b>COMM:</b> (901) 874-6218<br/><b>DSN:</b> 882-6218<br/><b>FAX:</b> (901) 874-6471</p>                 |
| <p><b>AZCS (AW) Randall Lees</b><br/>Aviation Standards Review/Development Division<br/>NAVMAC, Code 32<br/>Randall.lees@navmac.navy.mil</p>        | <p><b>COMM:</b> (901) 874-6434<br/><b>DSN:</b> 882-6434<br/><b>FAX:</b> (901) 874-6471</p>                 |
| <p><b>Mr. Steve Berk</b><br/>CNET NTSP Distribution<br/>CNET ETS-23<br/>stephen.berk@smtp.cnet.navy.mil</p>   | <p><b>COMM:</b> (850) 452-8919<br/><b>DSN:</b> 922-8919<br/><b>FAX:</b> (850) 452-4853</p>                 |
| <p><b>CDR Erich Blunt</b><br/>Aviation Technical Training<br/>CNET, ETE-32<br/>cdr-erich.blunt@smtp.cnet.navy.mil</p>                               | <p><b>COMM:</b> (850) 452-4915<br/><b>DSN:</b> 922-4915<br/><b>FAX:</b> (850) 452-4901</p>                 |
| <p><b>LCDR Monte Yarger</b><br/>Operational Test Coordinator<br/>COMOPTEVFOR<br/>YargerM@cotf.navy.mil</p>  | <p><b>COMM:</b> (757) 444-5546 ext 3901<br/><b>DSN:</b> 564-5546<br/><b>FAX:</b> (757) 444-3820</p>        |
| <p><b>LT Dick Davis</b><br/>Operational Test Director<br/>COMOPTEVFOR<br/>davisrj@navair.navy.mil</p>   | <p><b>COMM:</b> (301) 757-1398<br/><b>DSN:</b> 757-1398<br/><b>FAX:</b> (301) 757-1326</p>                 |
| <p><b>GYSGT Anthony Sosa</b><br/>Technical Coordinator<br/>NAMTRAGRU HQ, N2124<br/>Gysgt-anthony.sosa@cnet.navy.mil</p>                             | <p><b>COMM:</b> (850) 452-9742 ext 232<br/><b>DSN:</b> 922-9742 ext 232<br/><b>FAX:</b> (850) 452-9769</p> |
| <p><b>LT Philip Smith</b><br/>Department Head<br/>NAMTRAU Norfolk, MTU 1031<br/>lt.philip.smith@cnet.navy.mil</p>                                   | <p><b>COMM:</b> (757) 445-2194<br/><b>DSN:</b> 565-2194<br/><b>FAX:</b> (757) 445-9234</p>                 |

PART VII - POINTS OF CONTACT

| NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL   | TELEPHONE NUMBERS   |
|---|---|
| <b>CDR David Holt</b><br>Commanding Officer<br>AMCM Weapon Systems Training School (AWSTS)<br>dholt@nsn.cmar.navy.mil                             | <b>COMM:</b> (757) 444-3209<br><b>DSN:</b> 565-3209<br><b>FAX:</b> (757) 444-0836 |
| <b>Mr. Allen Hawkins</b><br>AMCM Fleet Support Branch Head<br>Coastal Systems Station Dahlgren Division, A22<br>hawkinsra@ncsc.navy.mil           | <b>COMM:</b> (850) 234-4237<br><b>DSN:</b> 436-4237<br><b>FAX:</b> (850) 234-4369 |
| <b>Mr. James Finklea</b><br>AMNS Project Engineer<br>Coastal Systems Station, Dahlgren Division, A21<br>finkleaja@ncsc.navy.mil                   | <b>COMM:</b> (850) 234-4882<br><b>DSN:</b> 436-4882<br><b>FAX:</b> (850) 230-7070 |
| <b>Ms. Heidi Lecklitner-Halvorson</b><br>AMNS Logistics Manager<br>Coastal Systems Station, Dahlgren Division, EO5L<br>lecklitnerhd@ncsc.navy.mil | <b>COMM:</b> (850) 234-4813<br><b>DSN:</b> 436-4813<br><b>FAX:</b> (850) 235-5494 |
| <b>Mr. Marinus Jorgensen</b><br>Naval EOD Technical Division<br>Code 60, Indian Head<br>jorgensenmc@eodpoe  | <b>COMM:</b> (301) 744-6920<br><b>DSN:</b> NA<br><b>FAX:</b> NA                   |
| <b>Mr. John Lewis</b><br>NTSP Development<br>D.P. Associates, Inc.<br>pcbflt@bellsouth.net  | <b>COMM:</b> (850) 233-5571<br><b>DSN:</b> NA<br><b>FAX:</b> (850) 233-5584       |